# Model 1

**1. Choose the correct answer.**

a. If $\frac{6}{17} \times b = \frac{6}{17} + \frac{3}{17}$ , then b = ________

A. 1 B. $\frac{1}{2}$ C. $1\frac{1}{2}$ D. $\frac{3}{17}$

b. The ________ has one vertex.

A. cube B. cuboid C. cone D. cylinder

c. If $7\frac{a}{8}$ is a little greater than $7\frac{1}{2}$ , then a may be ________

A. 4 B. 5 C. 7 D. 8

d. In $\triangle ABC$ , $m(\angle A) = 50°$ , $m(\angle B) = 60°$ and $m(\angle C) = 70°$ , then the triangle is ________ angled triangle.

A. acute B. right C. obtuse

e. $4 \div \frac{1}{2} =$ ________

A. 6 B. 2 C. 8 D. $4\frac{1}{2}$

f. Which of the following is underestimate ?

A. $\frac{4}{7} + \frac{5}{8}$ is about 1
B. $\frac{3}{7} + \frac{4}{10}$ is about 1
C. $\frac{4}{5} + \frac{7}{8}$ is about 2
D. $\frac{6}{7} + \frac{5}{6}$ is about 2

g. The area of rectangle whose dimensions are $\frac{1}{3}$ m and $\frac{1}{4}$ m is ________

A. $\frac{1}{12} m^2$ B. $\frac{3}{4} m^2$ C. $\frac{1}{12} cm^2$ D. $\frac{1}{12}$ m

**2. Complete the following.**

a. The parallelogram with 4 right angles is called ________

b. $2\frac{1}{2} \times 5 = [2 \times 5] + [$ ________ $\times 5]$

c. 2 hours = ________ minutes.

d. $1 -$ ________ $= \frac{3}{4}$

e. The X-coordinate of (2 , 5) is ________

f. In the equilateral triangle LMN , LM = MN = 5 cm , then LN = ________ cm

g. $2\frac{3}{5} +$ ________ $= 3\frac{1}{2}$

h. $\frac{3}{8} \times$ ________ $= \frac{3}{7}$

**3. Choose the correct answer.**

a. A cuboid has 2 vertical slices and each slices has 5 $cm^3$ , then it's volume = ________ $cm^3$

A. 7 B. 10 C. 3 D. $\frac{5}{2}$

b. $\frac{3}{5} \times \frac{5}{3}$ is ________ $\frac{3}{5}$

A. less than B. greater than C. equal to

c. If $12 \div 7 = 1\frac{a}{7}$ , then a = ________

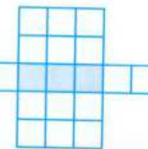
A. 2 B. 7 C. 5 D. 12

d. The fraction $2\frac{1}{4}$ by regrouping is ________

A. $2\frac{5}{4}$ B. $\frac{9}{2}$ C. $1\frac{5}{4}$ D. $\frac{5}{4}$

e. 150 minutes = ________ hours and ________ minutes.

A. 1 , 30 B. 1 , 50 C. 3 , 30 D. 2 , 30

f. Volume of solid is formed from folding the net square  is ________ cube units.

A. $3 \times 2$ B. $3 + 2$

C. $3 - 2$ D. $3 \div 2$

g. $\frac{5}{3} \times \frac{4}{7}$ is ________ $\frac{5}{3}$

A. less than B. greater than C. equal to

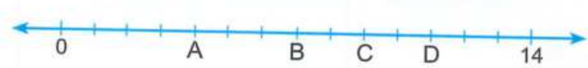
**4. Answer the following.**

a. Ahmed ate $1\frac{3}{4}$ kg of fruits , Bassem ate $\frac{1}{5}$ kg more than Ahmed and Wael ate $\frac{2}{5}$ kg less than Ahmed.

**How many kg of fruits did the three friends eat together ?**

________________________________________

b. **Use the number line to answer the questions.**

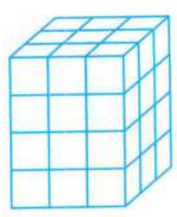



1. What is the value of C ?
2. What is the value of D ?
3. What is the value of A ?
4. How far is point B from D ?
5. How far is point C from A ?

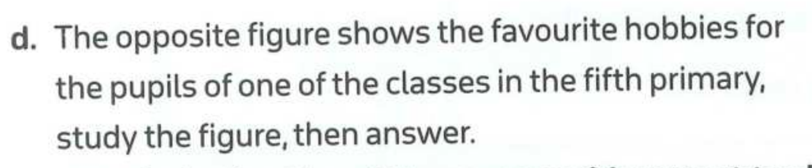
________________________________________

________________________________________

**c. In the opposite solid.**

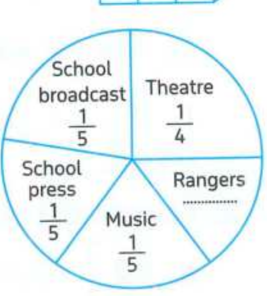


1. Number of horizontal layers : ..........
2. Number of cubes in each horizontal layer : ..........
3. Volume = .......... × .......... = .......... $cm^3$



d. The opposite figure shows the favourite hobbies for the pupils of one of the classes in the fifth primary, study the figure, then answer.

**What is the fraction of the rangers with respect to all hobbies ?**




## Model 2

**1. Choose the correct answer.**

a. $\frac{3}{4} \times \frac{12}{150}$ is .......... $\frac{3}{4}$

A. less than B. greater than C. equal to

b. $3\frac{1}{2} - 1\frac{2}{3} =$ ..........

A. $1\frac{5}{6}$ B. $6\frac{1}{5}$ C. $5\frac{1}{6}$ D. $1\frac{6}{5}$

c. $2\frac{1}{3} \times \frac{3}{7} =$ ..........

A. $\frac{4}{4}$ B. $\frac{3}{7}$ C. $2\frac{1}{7}$ D. $\frac{7}{3}$

d. $\frac{3}{7} + \frac{2}{7} -$ .......... $= \frac{1}{7}$

A. $\frac{6}{7}$ B. $\frac{2}{7}$ C. $\frac{1}{7}$ D. $\frac{4}{7}$

e. Area of rectangle = ..........

A. L + W B. L × W C. L ÷ W D. [L + W] × 2

f. $\frac{1}{2} \div 6 =$ ..........

A. 3 B. $\frac{1}{12}$ C. $\frac{2}{6}$ D. $\frac{1}{8}$

g.  has ..........

A. 3 B. 4 C. 5 D. 6

**2. Complete the following.**

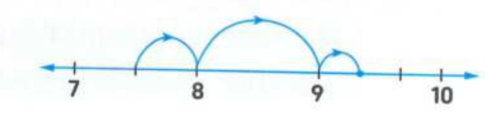
a. Volume of cuboid = .......... × .......... × ..........

b. .......... $+ 1\frac{5}{7} = 3\frac{5}{14}$

c. The polygon which has 5 sides is called ..........

d. $0.25 \times \frac{8}{9} =$ ________

e. By using the number line : $9\frac{1}{3} - 7\frac{1}{2} =$ ________




f. $1 - \frac{1}{2} - \frac{1}{3} =$ ________

g. The parallelogram with 4 equal sides is called ________

h. If $\frac{2}{5} \times 3\frac{1}{2} = \frac{2}{5} \times 3 + \frac{2}{5} \times b$ , then b = ________

**3.** **Choose the correct answer.**

a. If $2\frac{3}{5} + X = 3$ , then X = ________

A. $\frac{5}{3}$  B. $\frac{13}{5}$  C. $2 + \frac{3}{5}$  D. $\frac{2}{5}$

b. If $4\frac{b}{7}$ is almost 4 , then b may be ________

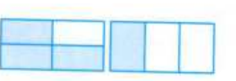
A. 1  B. 4  C. 5  D. 6

c.  = ________

A. $\frac{1}{3} + \frac{1}{3}$  B. $\frac{1}{2} + \frac{1}{2}$  C. $\frac{1}{2} + \frac{1}{3}$  D. 3 + 2

d. In the triangle ABC , AB = BC = 5 cm. , AC = 3 cm. , then the triangle is ________

A. equilateral.  B. isosceles.  C. scalene.

e. The two like denominator fractions represent the models  are ________

A. $\frac{3}{4}, \frac{1}{3}$  B. $\frac{6}{8}, \frac{2}{8}$  C. $\frac{8}{12}, \frac{4}{12}$  D. $\frac{9}{12}, \frac{4}{12}$

f. The fraction $\frac{3}{7}$ is equivalent to ________

A. $\frac{13}{17}$  B. $\frac{15}{21}$  C. $\frac{31}{71}$  D. $\frac{6}{14}$

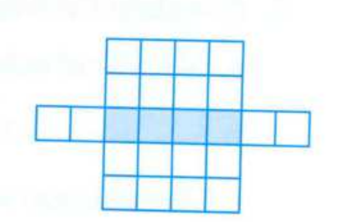
g. If Ahmed bought 7 kg of meat and wanted to divide it into 5 meals , then the number of kg in each meal = ________ kg

A. $7 \times 5$  B. $5 \div 7$  C. $1\frac{2}{5}$  D. $7 - 5$

**4.** **Answer the following.**

a. How many sixths are in the number 10 ?

b. What is the volume of the solid formed from folding the opposite net square ?



c. Marwan studied math for $2\frac{1}{2}$ hours and science for 90 minutes.

**How many hours did Marwan study in all ?**

______________________________

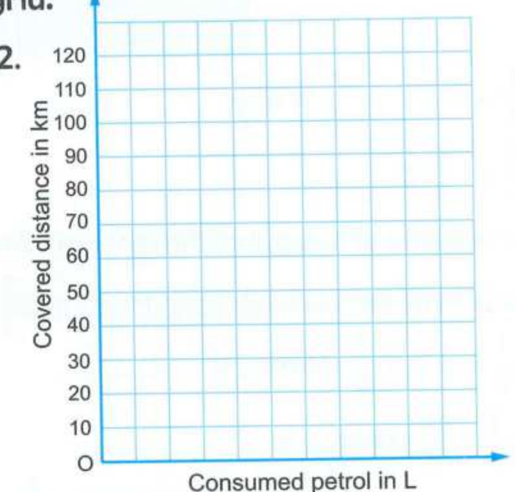
______________________________

**d. A car consumes one liter of petrol to cover a distance 10 km, complete the following table and then graph the points on the grid.**

1.

| Consumed petrol in litre | Covered distance in Km |
|---|---|
| 2 | ______ |
| 3 | ______ |
| 4 | ______ |
| ______ | 60 |
| ______ | 50 |
| 7 | ______ |

2.




## Model 3

**1. Choose the correct answer.**

a. If $8 \div m = 24$, then m = ______

**A.** 3 **B.** $\frac{1}{3}$ **C.** $1\frac{1}{3}$ **D.** 32

b. Which of the following is correct ?

**A.** $\frac{3}{2} = \frac{4}{6}$ **B.** $\frac{7}{8} = \frac{5}{6}$ **C.** $\frac{7}{14} = \frac{1}{2}$ **D.** $\frac{3}{2} = \frac{9}{5}$

c. Volume of opposite solid is ______ $cm^3$

Area = 16cm²

4 cm

**A.** 4 **B.** 20

**C.** 12 **D.** 64

d. $\frac{3}{7} \times 8 =$ ______

**A.** $\frac{8}{3} \times 7$ **B.** $\frac{6}{7} \times 4$ **C.** $\frac{5}{7} \times 6$ **D.** $\frac{24}{8} \times 7$

e. Which of the following points located on y-axis ?

**A.** (1 , 0) **B.** (0 , 1) **C.** (1 , 1) **D.** (7 , 0)

f. $3\frac{1}{2} + 2\frac{1}{3} =$ ______

**A.** $5\frac{5}{6}$ **B.** $5\frac{2}{5}$ **C.** $\frac{6}{2} + \frac{6}{3}$ **D.** $\frac{7}{2} + 3\frac{1}{2}$

g. If $2\frac{8}{d}$ is nearly $2\frac{1}{2}$, then d may be ________

A. 32 B. 5 C. 7 D. 17

**2. Complete the following.**

a. Use area models to subtract : $2\frac{5}{6}-1\frac{2}{3}=$ ________



b. $6\frac{2}{3}-$ ________ $=4\frac{1}{2}$

c. $2\frac{3}{4}\times1\frac{1}{3}=$ ________

d. The volume of cuboid of dimensions 2 m , 5 m and 6 m is ________ $m^3$

e. The LCM of denominators of fractions $\frac{2}{3}$ and $\frac{1}{5}$ is ________

f. If $2\frac{1}{2}+a=3\frac{1}{4}$, then a = ________

g. If $2\frac{1}{7}=\frac{x}{7}$, then $x=$ ________

h. The area of rectangle of dimensions $\frac{1}{3}$ m and $\frac{1}{5}$ m is ________

**3. Choose the correct answer.**

a. $\frac{4}{7}\times\frac{14}{8}$ is ________ $\frac{4}{7}$

A. less than B. greater than C. equal to

b. In $\Delta ABC$, $m(\angle A)=130^\circ$ and $m(\angle B)=m(\angle C)=25^\circ$, then the triangle is ________ angled triangle.

A. acute B. right C. obtuse

c. The ________ is a rectangle with 4 equal sides.

A. parallelogram B. trapezium C. square D. rhombus

d. $5\frac{1}{7}\times3\frac{1}{4}=(5+\frac{1}{7})\times($ ________ $+\frac{1}{4})$

A. 15 B. 8 C. 3 D. 1

e. If $a\times\frac{3}{17}=\frac{2}{17}$, then a = ________

A. $\frac{2}{3}$ B. $\frac{3}{2}$ C. $\frac{1}{17}$ D. $\frac{5}{17}$

f. The ________ has a pair of parallel sides.

A. trapezium B. square C. rhombus D. rectangle

g. [row of 7 cubes] has ________ [cube]

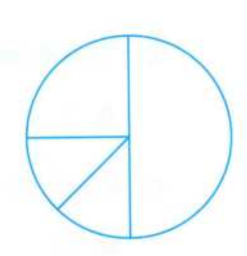
A. 4 B. 7 C. 11 D. 12

**4. Answer the following.**

a. Youssef spent $\frac{3}{4}$ of an hour biking and $\frac{5}{6}$ of an hour jogging. Afterwards, he swam for $\frac{1}{8}$ of an hour.

**How much time did Youssef exercise before he went swimming in minutes ?**

b. The following table shows the rate of the score of 200 students in one school of Cairo governorate :



| Rate | Excellent | Good | Pass | Weak |
|---|---|---|---|---|
| Fraction | $\frac{3}{20}$ | $\frac{1}{2}$ | $\frac{1}{4}$ | $\frac{1}{10}$ |

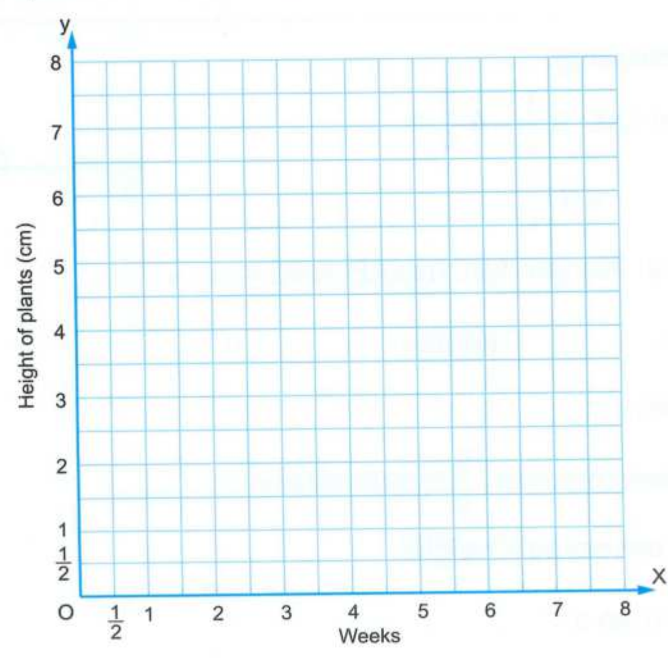
**Represent these data by the opposite pie chart.**

c. If the price of 9 pens is 77 L.E. **Find the price of each pen.**

d. Look at the table and fill in the missing y values based on the pattern of plant height in Haitham's garden from one week to the next.

| Weeks, X | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| Height of plants, y | $\frac{1}{2}$ cm | 2 cm | $3\frac{1}{2}$ cm | ........ | ........ | ........ |

**Graph the coordinate points from the table.**



# Model 4

**1. Choose the correct answer.**

a. The square pyramid has ________ triangle faces.

A. 4 B. 5 C. 7 D. 8

b. The smallest common denominator of $\frac{2}{3}$ and $\frac{2}{5}$ is ________

A. 2 B. 15 C. 30 D. 35

c. If $3\frac{x}{29}$ is about 4, then $x$ may be ________

A. 13 B. 2 C. 7 D. 28

d. The ________ is a rhombus of 4 right angles.

A. quadrilateral B. parallelogram C. rectangle D. square

e. $2\frac{1}{7} + 5\frac{1}{2} =$ ________

A. $7\frac{2}{9}$ B. $3\frac{9}{14}$ C. $7\frac{9}{14}$ D. $1\frac{1}{7}$

f. $3 - 2\frac{1}{2} =$ ________

A. $\frac{1}{2}$ B. $1\frac{1}{2}$ C. 1 D. $1\frac{1}{3}$

g. $\frac{1}{5} \div 4 =$ ________

A. $\frac{4}{5}$ B. $\frac{5}{4}$ C. 20 D. $\frac{1}{20}$

**2. Complete the following.**

a. Use a number line : $6\frac{1}{5} - 4\frac{3}{4} =$ ________

4 5 6 7

b. $7\frac{3}{8} +$ ________ $= 9\frac{1}{4}$

c. The equilateral triangle ABC has AB = BC = ________

d. The cube has ________ edges.

e. If $\frac{3}{4} = \frac{a}{16}$, then a = ________

f. By using the benchmarks, $\frac{5}{6}$ is estimate as ________

g. ________ = base area × height

h. If $\frac{1}{2} + a = \frac{5}{6}$, then a = ________

**3. Choose the correct answer.**

a. $16 \div 7 = 2\frac{2}{___}$

A. 7 B. 14 C. 16 D. 4

b. The cylinder has ________ bases.

A. zero B. 1 C. 2 D. 3

c. $\frac{3}{7} \times \frac{5}{5}$ is ________ $\frac{3}{7}$

A. greater than B. less than C. equal to

d. If $5 - a = 4\frac{1}{3}$, then a = ________

A. $\frac{1}{3}$ B. $\frac{2}{3}$ C. $4\frac{1}{3}$ D. $4\frac{2}{3}$

e. Area of rectangle with length $2\frac{1}{2}$ length units and width $1\frac{1}{5}$ length units is ________ square units.

A. 2 B. 3 C. $3\frac{7}{10}$ D. $1\frac{3}{10}$

f. The number of thirds in one is ________

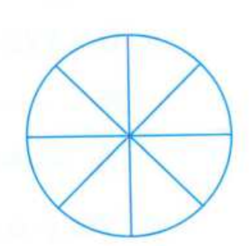
A. 1 B. 2 C. 3 D. $\frac{1}{3}$

g. A cuboid has 4 horizontal layers and 5 cube units in each layer, then its volume = ________ cube units.

A. 9 B. $\frac{5}{4}$ C. $\frac{4}{5}$ D. 20

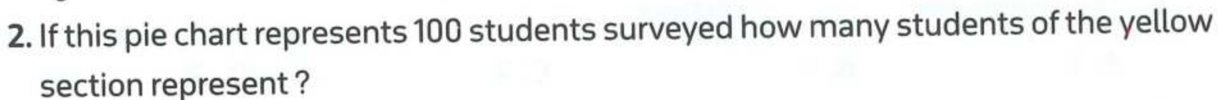
**4. Answer the following.**

**a. In the opposite circle :**



1. Shade in $\frac{1}{2}$ of the circle blue
, $\frac{1}{4}$ of the circle yellow
, $\frac{1}{8}$ of the circle green
, $\frac{1}{8}$ of the circle purple.

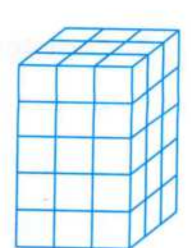
2. If this pie chart represents 100 students surveyed how many students of the yellow section represent ?



b. Karim walked $2\frac{1}{5}$ km and Sameh walked $1\frac{1}{3}$ km more.
**What distance that Sameh walked ?**



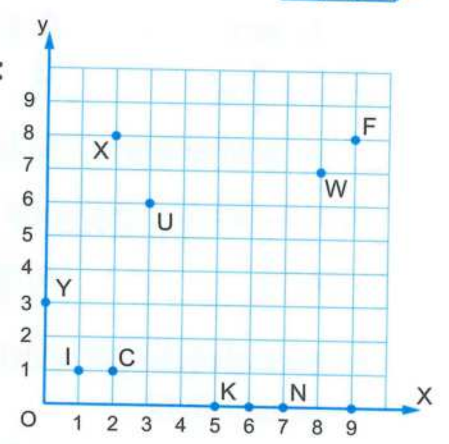
c. **In the opposite solid :**



1. Number of vertical slices : ________
2. Number of cubes in each vertical slice : ________
3. Volume = ________ × ________ = ________ $cm^3$

d. **In the following grid , observe and answer.**

**Write the ordered pair of each of the following points :**




1. W ________ 2. Y ________ 3. N ________
4. F ________ 5. C ________ 6. X ________
7. K ________ 8. U ________ 9. I ________

## Model 5

**1. Choose the correct answer.**

a. The polygon which has four sides is called ________

A. triangle. B. quadrilateral. C. pentagon. D. hexagon.

b. $\frac{3}{4} + \frac{1}{2} =$ ________

A. $\frac{4}{6}$ B. $\frac{3}{8}$ C. $\frac{1}{4}$ D. $1\frac{1}{4}$

c. In $\Delta XYZ$ , $m(\angle X) = 90°$ , $m(\angle Y) = 40°$ and $m(\angle Z) = 50°$ , then the triangle is ________ angled triangle.

A. acute B. right C. obtuse

d. The y-coordinate of (0 , 7) is ________

A. 0 B. 7 C. 70 D. 1

e. The sphere has ________ vertices.

A. 0 B. 1 C. 2 D. 3

f. Area of rectangle = ________ × w.

A. l B. w C. h D. base area

g. If $\frac{7}{8} \times 12 = \frac{14}{8} \times x$ , then $x =$ ________

A. 7 B. 12 C. 8 D. 6

**2. Complete the following.**

a. Height of cuboid = ________ ÷ ________

b. The LCM of the denominators of fraction $\frac{1}{3}$ and $\frac{2}{7}$ is ________

c. If $\frac{1}{2} \times b = \frac{5}{6}$, then b = ________

d. $5\frac{2}{5} -$ ________ $= 3\frac{1}{3}$

e. $1\frac{3}{7} \times$ ________ $= 1$

f. $\frac{1}{7} \div 4 =$ ________

g. The area of rectangle of dimensions $\frac{1}{3}$ length units and $\frac{1}{4}$ length unit is ________

h. The shape which has 0 faces , 0 edges and 0 vertices is ________

**3. Choose the correct answer.**

a. Which of the following is overestimate ?

A. $\frac{3}{4} + \frac{3}{7}$ is about 1
B. $\frac{11}{20} + \frac{3}{5}$ is about 1
C. $\frac{7}{8} + \frac{2}{5}$ is about $1\frac{1}{2}$
D. $1\frac{1}{6} + \frac{5}{8}$ is about $1\frac{1}{2}$

b. The origin point is ________

A. (1 , 0) B. (0 , 1) C. (0 , 0) D. (1 , 1)

c. $5\frac{1}{6} + 2\frac{4}{5}$ is estimate as ________

A. 5 + 3 B. 6 + 3 C. 5 + 2 D. 6 + 4

d. + = ________

A. $\frac{2}{3}$ B. $\frac{3}{4}$ C. 1 D. $\frac{5}{6}$

e. If $2\frac{3}{4} \times 1\frac{1}{2} = (2 \times 1) + (b \times \frac{1}{2}) + \frac{3}{4} + \frac{3}{4} \times \frac{1}{2}$, then b = ________

A. 2 B. $\frac{3}{4}$ C. 1 D. $\frac{1}{2}$

f. If $4\frac{k}{23}$ is about $4\frac{1}{2}$, then k may be = ________

A. 2 B. 3 C. 4 D. 11

g. The value of the missing numbers in the table are = ________

| X- values | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| y- values | 4 | 8 | 12 | ____ | ____ |

A. 16 , 19 B. 16 , 20
C. 15 , 19 D. 15 , 20

**4. Answer the following.**

a. Islam spent $\frac{1}{4}$ of his Sunday doing homework and $\frac{1}{10}$ of the day watching cricket.

**What part of the day was left to do other things ?**

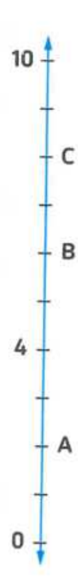
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b. **How many thirds are in the number 7 ?**

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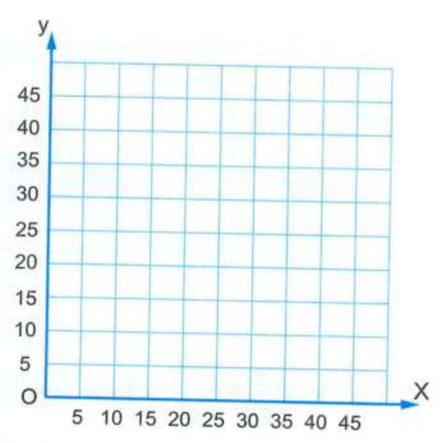
c. **Use the number line to answer the questions.**

1. What is the value of A ?
2. What is the value of B ?
3. What is the value of C ?
4. How far is point C from point A ?
5. How far is point B from point A ?




d. **Complete the table and represent it.**

| $x$- values | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 |
|---|---|---|---|---|---|---|---|---|
| y- values | 45 | 40 | 35 | ___ | ___ | ___ | ___ | ___ |




## Model 6

**1. Choose the correct answer.**

a. If $5\frac{20}{y}$ is a little less than 6 , then y may be ________

A. 21 B. 5 C. 2 D. 39

b. The cube has ________ faces.

A. 4 B. 6 C. 8 D. 12

c. The simplest form of $\frac{36}{48}$ is ______

A. $\frac{6}{8}$ B. $\frac{3}{2}$ C. $\frac{2}{3}$ D. $\frac{3}{4}$

d. The ______ is a polygon with 6 sides.

A. quadrilateral B. pentagon C. hexagon D. square

e. Which of the following is underestimate ?

A. $6\frac{7}{8}+\frac{5}{6}=8$ B. $\frac{1}{3}+1\frac{1}{10}=1$ C. $\frac{3}{10}+\frac{7}{9}=1\frac{1}{2}$ D. $5\frac{8}{9}+\frac{8}{7}=6$

f. $1-\frac{3}{4}=$ ______

A. $\frac{1}{4}$ B. $\frac{2}{4}$ C. $\frac{3}{4}$ D. $\frac{4}{4}$

g. How many fifths are there in 7 ?

A. $5 \div 7$ B. $5 \times 7$ C. $5 + 7$ D. $7 - 5$

## 2. Complete the following.

a. $7\frac{3}{8}+$ ______ $=10\frac{1}{4}$

b. $\frac{1}{5}+\frac{3}{4}=$ ______

c. $\frac{10}{3}\times\frac{3}{10}=$ ______

d. If $2\frac{1}{4}\times 8=\left[\frac{1}{4}\times b\right]+\left[2\times 8\right]$, then b = ______

e. $\frac{1}{2}\times\frac{3}{5}=$ ______

f. In $\triangle ABC$, AB = BC = 7 cm and AC = 4 cm, then the triangle is ______

g. Volume of cuboid = ______ × height.

h. If $\frac{1}{3}\div a=\frac{1}{9}$, then a = ______

## 3. Choose the correct answer.

a. The area of rectangle of dimensions $5\frac{1}{2}$ meters and $2\frac{1}{2}$ meters is ______

A. $13\frac{3}{4}$ m B. 8 m C. 8 $m^2$ D. $13\frac{3}{4}$ $m^2$

b. The fraction $5\frac{3}{7}$ by regrouping is ______

A. $5\frac{10}{7}$ B. $4\frac{10}{7}$ C. $3\frac{10}{7}$ D. $\frac{38}{3}$

c. If $\frac{4}{7}+\frac{1}{3}=\frac{X}{21}+\frac{7}{21}$, then X = ________

A. 4 B. 3 C. 7 D. 12

d. The measure of each angle in square is ________

A. 45° B. 90° C. 100° D. 180°

e. The point ________ lies on X-axis.

A. (0 , 5) B. (1 , 5) C. (5 , 1) D. (5 , 0)

f. $6 \times 2\frac{5}{8}=$ ________

A. $15\frac{3}{4}$ B. $12\frac{5}{8}$ C. $14\frac{3}{8}$ D. $15\frac{3}{8}$

g. The cylinder has ________ edges.

A. 2 B. 1 C. 0 D. 3

**4. Answer the following.**

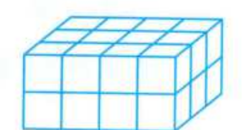
a. Nermin took $2\frac{1}{3}$ hours to paint a table and $1\frac{1}{4}$ hours to paint a chair.

**How much time did she take in all ?**

________________________________________

________________________________________

b. **Find the volume of the opposite solid.**



________________________________________

________________________________________

________________________________________

c. **Select the expression that represents the problem, and then evaluate it.**

If a turtle can crawl $\frac{1}{2}$ kilometers per hour , how many hours would it take for the turtle to travel 8 km ?

**Choose :** $\frac{1}{2} \div 8$ or $8 \div \frac{1}{2}$

________________________________________

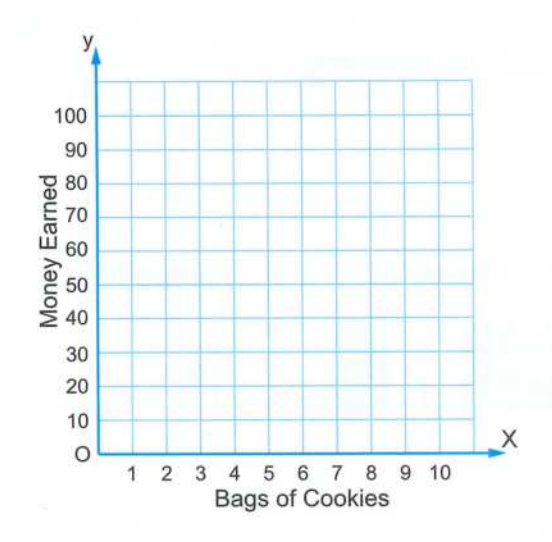
________________________________________

________________________________________

**d.** Yara is selling bags of cookies in her friends to make extra money to buy a new bike. She earns 10 L.E. for each bag of cookies she sells.

**Complete the table and then graph the points on the coordinate grid.**

| Bages of Cookies | Money Earned in L.E. |
|---|---|
| 2 | ______ |
| 4 | ______ |
| 7 | ______ |
| 8 | ______ |
| 10 | ______ |




## Model 7

**1. Choose the correct answer.**

**a.** The LCM of denominators of $\frac{7}{12}$ and $\frac{5}{18}$ is ______

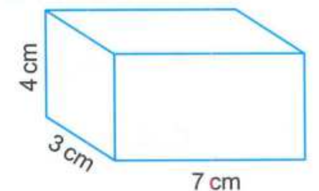
**A.** 12 **B.** 36 **C.** 18 **D.** 6

**b.** If $\frac{1}{3} \times a = 1\frac{1}{3}$, then a = ______

**A.** 1 **B.** 2 **C.** 3 **D.** 4

**c.** Volume of opposite cuboid = ______ cm$^3$

**A.** 84 **B.** 49 **C.** 14 **D.** 7



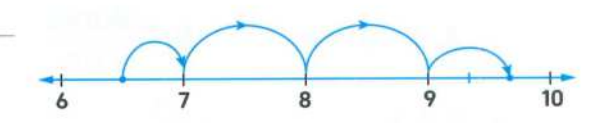

**d.** $\frac{1}{3} \div 3$ ☐ $\frac{1}{3} - \frac{2}{9}$

**A.** < **B.** = **C.** >

**e.** The triangle whose side lengths are ______ is isosceles triangle.

**A.** 4 , 5 , 3 cm **B.** 4 , 4 , 5 cm **C.** 3 , 5 , 6 cm **D.** 2 , 3 , 4 cm

**f.** The opposite number line represents ______




**A.** $9\frac{2}{3} - 6\frac{1}{2}$ **B.** $9\frac{2}{3} + 6\frac{1}{2}$

**C.** $2\frac{5}{6} + 6\frac{1}{2}$ **D.** $6\frac{1}{2} - 2\frac{5}{6}$

g. If $\frac{3}{7}+\frac{6}{7}+\frac{6}{7}=b\times\frac{6}{7}$, then b = ________

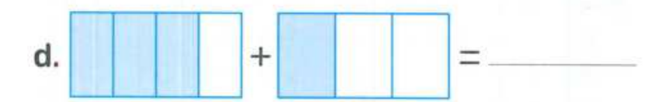
A. $\frac{6}{7}$ B. $\frac{3}{7}$ C. $1\frac{1}{2}$ D. $2\frac{1}{2}$

**2. Complete the following.**

a. The cone has ________ base.

b. ________ $-1\frac{3}{4}=2\frac{3}{5}$

c. The y-coordinate of the origin point is ________

d.  = ________

e. $5\frac{2}{3}=$ ________ $\div 3$

f. $7-\frac{1}{7}=$ ________

g. Use area model to subtract : $1\frac{3}{4}-\frac{1}{2}=$ ________ 

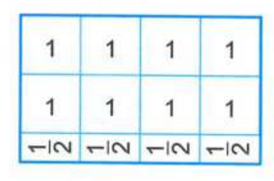
h. The parallelogram with 4 sides are equal in length is called ________

**3. Choose the correct answer.**

a. $3\frac{5}{6}\times\frac{7}{4}$ is ________ $3\frac{5}{6}$

A. less than B. greater than C. equal to

b. The area of the opposite rectangle = ________ square units.



A. $8\times4\frac{1}{2}$ B. $4\times2\frac{1}{2}$

C. $4\frac{1}{2}\times2$ D. $4\frac{1}{2}+2\frac{1}{2}$

c. $13\div7$ equals each of the following except ________

A. $1+\frac{6}{7}$ B. $1\frac{6}{7}$ C. $\frac{26}{14}$ D. $1\times\frac{6}{7}$

d. Length of cuboid = ________

A. $l\times w\times h$ B. $\frac{\text{volume}}{w\times h}$ C. $\frac{\text{base area}}{h}$ D. $w\times h$

e. $2\frac{3}{5}+$ ________ $=3\frac{1}{4}$

A. $\frac{13}{20}$ B. $1\frac{4}{5}$ C. $1\frac{2}{5}$ D. $1\frac{1}{4}$

f. $2\frac{1}{3}$ hours = ________ minutes.

A. 120 B. 150 C. 140 D. 130

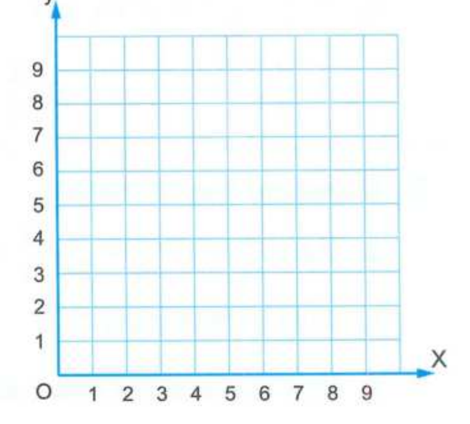
g. If $8\frac{3}{C}$ is slightly less than $8\frac{1}{2}$, then C may be ________

A. 7 B. 4 C. 2 D. 15

**4. Answer the following.**

**a. In the opposite coordinate plane :**

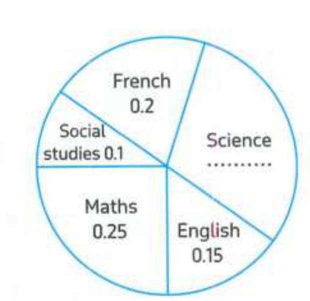
1. Graph the figure ABCD where A (2 , 8) , B (3 , 4) , C (8 , 4) and D (7 , 8)
2. What is the name of the figure ABCD ?
3. What is the length of $\overline{AD}$ ?
4. $\overline{AD}$ // ________ , $\overline{AB}$ // ________




b. If the price of each book is $10\frac{1}{2}$ L.E.
**Find the price of 8 books.**

**c. The opposite figure shows the percentages of sales of different types of books. Complete :**

1. The sales fraction of science books is ________
2. The least sales fraction is in ________




d. Jomana likes chocolate. One day she bought a chocolate and ate $\frac{2}{9}$ of it in the morning and $\frac{2}{3}$ in the evening.
**How much part of the chocolate has she eaten ?**

## Model 8

**1. Choose the correct answer.**

a. The polygon which has one pair of parallel lines is called ________

A. square. B. rectangle. C. rhombus. D. trapezoid.

b. If $X + 5\frac{1}{4} = 7\frac{3}{4}$, then X = ________

A. $2\frac{1}{4}$ B. $2\frac{1}{2}$ C. $\frac{1}{2}$ D. $\frac{1}{4}$

c. $\frac{1}{4}$ year = ________ months.

A. 3 B. 4 C. 6 D. 12

d. The X-coordinate of the origin point is ______

A. 0 B. 1 C. 2 D. 3

e. The sphere has ______ edges.

A. 3 B. 2 C. 1 D. zero

f. If $2\frac{3}{j}$ is a little greater than 2, then j may be ______

A. 2 B. 4 C. 6 D. 17

g. If $\frac{5}{3}-\frac{2}{3}=a$, then a = ______

A. $\frac{7}{3}$ B. $\frac{3}{3}$ C. $\frac{1}{3}$ D. $\frac{2}{3}$

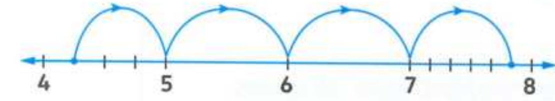
## 2. Complete the following.

a. If $a\times\frac{3}{4}=2\times\frac{3}{4}+\frac{1}{2}\times\frac{3}{4}$, then a = ______

b. The cube has ______ edges.

c. Area of rectangle = ______ × ______

d. Use the number line below to find : $7\frac{5}{6}-4\frac{1}{4}=$ ______




e. $\frac{1}{6}$ year = ______ months

f. The missing dimension in the opposite cuboid is ______ cm.

V=100 $cm^3$
2 cm
5 cm
?

g. In △ABC, AB = 5 cm, BC = 7 cm and AC = 3 cm, then the triangle is ______

h. If $3\frac{1}{2}+b=7$, then b = ______

## 3. Choose the correct answer.

a. The ______ has five vertices and five faces.

A. cone B. cuboid C. square pyramid D. sphere

b. If $\frac{1}{2}\div 3=X$, then X = ______

A. $1\frac{1}{2}$ B. $\frac{1}{6}$ C. 6 D. $\frac{2}{3}$

c. $5\frac{3}{7}+2\frac{1}{11}$ can estimated as ______

A. 7 B. $7\frac{1}{2}$ C. 8 D. $8\frac{1}{2}$

d. $15\div\frac{1}{2}=$ ______

A. $\frac{15}{2}$ B. $7\frac{1}{2}$ C. 30 D. $\frac{2}{15}$

**e.** The cuboid [cuboid figure] has ________ edges.

A. 14 B. 8 C. 20 D. 12

**f.** The opposite shaded area model represents ________

| | |
|---|---|
| 1 | $\frac{1}{2}$ |
| 1 | $\frac{1}{2}$ |

A. $2 \times 1$ B. $1\frac{1}{2} \times 2$

C. $\frac{1}{2} \times 2$ D. $2\frac{1}{2} \times 2$

**g.** $15 \div 4 =$ ________ $+ 3$

A. 12 B. 3 C. $\frac{4}{3}$ D. $\frac{3}{4}$

## 4. Answer the following :

**a.** Select the expression that represents the problem , and then evaluate it.

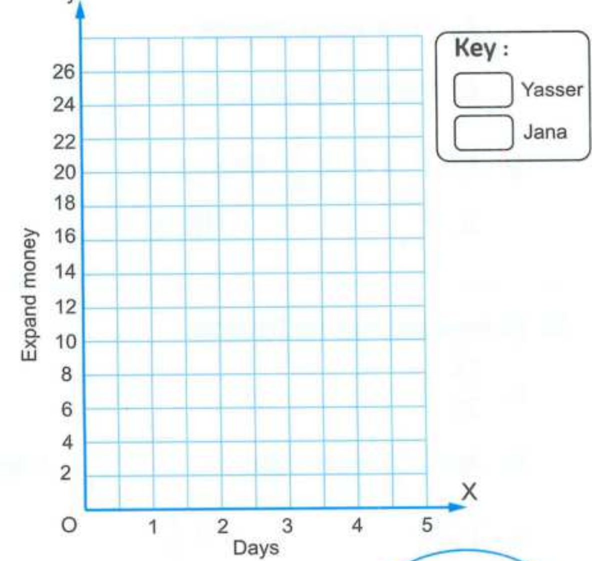
It takes Aya $\frac{1}{3}$ of an hour to model 4 identical clay figures. **How long does it take for Aya to model one clay figure ?**

**Choose :** $\frac{1}{3} \div 4$ or $4 \div \frac{1}{3}$

**b. The following tables shows the expanded money for 5 days of Yasser and Jana Represent the two tables on the coordinate grid with two line graphs.**

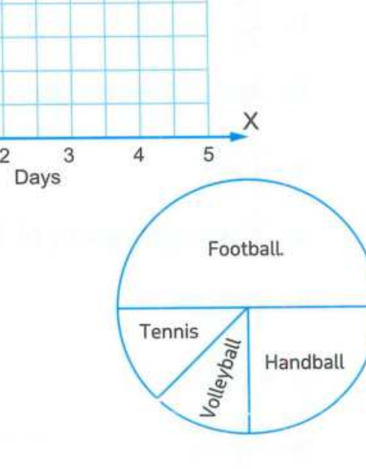
| Days, x | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| Expand of Yasser, y | 4 | 11 | 15 | 18 | 20 |

| Days, x | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| Expand of Jana, y | 2 | 10 | 15 | 20 | 25 |




**c. In the opposite pie charts.**

1. The fraction of Football is ________
2. The fraction of Tennis is ________
3. The fraction of Handball is ________




**d.** In the school break , Hany spends $\frac{2}{3}$ of the break in eating and $\frac{1}{5}$ of it to take a drink , then 4 minutes left.

**What is the break time ?**

# Model 9

**1. Choose the correct answer.**

a. If $3\frac{4}{7} - X = 2\frac{1}{7}$, then X = ________

A. $\frac{3}{7}$ B. 1 C. $1\frac{5}{7}$ D. $1\frac{3}{7}$

b. 120 seconds = ________ minutes

A. 1 B. 2 C. 3 D. 4

c. The fraction $\frac{3}{4}$ is equivalent to ________

A. $\frac{9}{16}$ B. $\frac{9}{12}$ C. $\frac{4}{3}$ D. $1\frac{1}{3}$

d. In the equilateral triangle the side lengths are ________

A. 4 , 5 , 3 cm B. 4 , 4 , 5 cm C. 4 , 4 , 4 cm D. 3 , 5 , 6 cm

e. $\frac{4}{11} \times 0.5 =$ ________

A. $\frac{2}{11}$ B. $\frac{20}{11}$ C. $\frac{4}{5}$ D. $\frac{55}{4}$

f. Which of the subcategories could include between square and rectangle ?

A. Four right angles B. Parallel lines

C. Perpendicular lines D. All of the above

g. If $17 \div 8 = a\,\frac{1}{8}$, then a = ________

A. 2 B. 8 C. 17 D. 1

**2. Complete the following.**

a. $\frac{24}{28} = \frac{\ldots}{7}$

b. Area of rectangle = ________ × width

c. $2\frac{3}{4} +$ ________ $= 3\frac{1}{2}$

d. The regrouping of $4\frac{3}{5}$ is $a\,\frac{8}{5}$, then a = ________

e. 2 years = ________ months.

f. $4 \times \frac{1}{4} =$ ________

g. $2\frac{2}{3} -$ ________ $= 1\frac{1}{2}$

h. The cylinder has ________ bases.

**3. Choose the correct answer.**

a. $3 \div \frac{1}{5} =$ ________

A. $\frac{3}{5}$ B. $\frac{1}{15}$ C. 15 D. $\frac{5}{3}$

b. If $5\frac{7}{f}$ is slightly greater than $5\frac{1}{2}$, then f may be ________

A. 13 B. 7 C. 5 D. 57

c. I am a triangle with only 2 equal sides, the measure of one of my angles is greater than 90°
What kind of triangle am I ?

A. Isosceles, right B. Isosceles, obtuse
C. Scalene, obtuse D. Isosceles, acute

d. The rhombus which has right angles is called ________

A. rectangle B. trapeziod C. square D. pentagon

e. $\frac{4}{3} \times \frac{3}{5}$ is ________ $1\frac{1}{3}$

A. less than B. greater than C. equal to

f. Volume of opposite cuboid = ________ $cm^3$

5 cm
4 cm
6 cm

A. 15 B. 120
C. $\frac{6}{5 \times 4}$ D. $6 + 5 - 4$

g. The pentagon has ________ sides.

A. 3 B. 4 C. 5 D. 6

**4. Answer the following :**

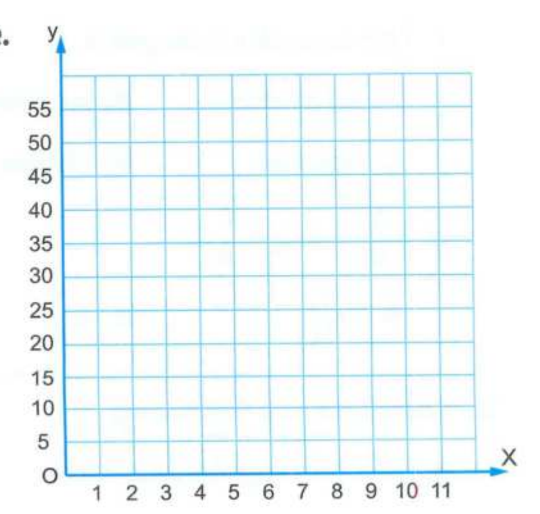
a. Giovanni earns $7\frac{1}{4}$ L.E. for an hour. He works 4 hours per day, 5 days per week.
**How much money does he earn per day ?**

________________________________________

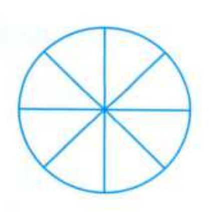
**b. Represent th following tables on the coordinate plane.**

| x values | 1 | 3 | 5 | 7 | 9 | 11 |
|---|---|---|---|---|---|---|
| y values | 5 | 15 | 25 | ___ | ___ | ___ |

**c. How many sevenths in the number 7 ?**



**d. In the opposite circle :**



1. Shade in $\frac{1}{2}$ of the circle green , $\frac{1}{4}$ of the circle red , $\frac{1}{8}$ of the circle blue , $\frac{1}{8}$ of the circle yellow.

2. If this pie chart represents 40 students surveyed how many students of the green and blue sections represent ?

## Model 10

**1. Choose the correct answer.**

a. In $\triangle ABC$ , if $m(\angle A) = 46^\circ$ , $m(\angle B) = 38^\circ$ and $m(\angle C) = 96^\circ$ , then the triangle is ________ angled triangle.

A. an acute B. a right C. an obtuse D. straight

b. If $\frac{10}{11} \times 1\frac{1}{2} = \frac{10}{11} + \frac{b}{11}$ , then b = ________

A. 10 B. 11 C. 1 D. 5

c. $2\frac{1}{2}$ hours = ________ minutes

A. 120 B. 140 C. 150 D. 160

d. You are making a design using a quadrilateral with 2 pairs of parallel sides but no right angles. What shape could you use ?

A. Rectangle B. Rhombus C. Trapezoid D. Kite

e. The y-coordinate in the orderd pair (1 , 8) is ________

A. 1 B. 8 C. 1 + 8 D. 8 − 1

f. The opposite triangle is ________

6 cm 5 cm 6 cm

A. equilateral. B. isosceles.
C. scalene. D. obtuse.

g. $1\frac{5}{8} + 2\frac{7}{12} + \frac{1}{4} =$ ________

A. $3\frac{7}{12}$ B. $4\frac{5}{6}$ C. $4\frac{7}{12}$ D. $4\frac{11}{24}$

**2. Complete the following.**

a. The rectangular prism has ________ vertices.

b. If $9 \div k = 126$ , then k = ........

c. $[4 \times 2] + [4 \times \frac{2}{7}] = 4 \times$ ........

d. $\frac{1}{2}$ year = ........ months.

e. If $k - 1\frac{5}{9} = 2\frac{5}{9}$ , then k = ........

f. The product of $\frac{4}{5}$ and $\frac{3}{3}$ is ........

g. The pieces of cards △ △ △ △ □ can form ........

h. ........ $+ 2\frac{5}{7} = 4\frac{3}{14}$

---

## 3. Choose the correct answer.

a. If $\frac{3}{7} \times k = \frac{3}{7} \times 1 + \frac{3}{7} \times \frac{1}{5}$ , then k may be ........

A. $\frac{3}{7}$ B. 1 C. $1\frac{1}{5}$ D. $1\frac{3}{7}$

b. The cuboid has 6 horizontal layers and 2 cube units in each layer , then its volume = ........ cube units

A. 8 B. 12 C. 4 D. 3

c. $\frac{2}{3} \times \frac{3}{8} \times \frac{8}{9} =$ ........

A. $\frac{1}{3}$ B. $\frac{2}{9}$ C. $\frac{13}{20}$ D. $\frac{2}{17}$

d. $0.25 \times \frac{6}{7} =$ ........

A. $\frac{1}{14}$ B. $\frac{1}{7}$ C. $\frac{3}{14}$ D. $\frac{2}{7}$

e. Which of the following is equivalent to $\frac{5}{6}$ ?

A. $\frac{15}{16}$ B. $\frac{10}{8}$ C. $1\frac{1}{5}$ D. $\frac{20}{24}$

f. If $4\frac{h}{54}$ is slightly greater than $4\frac{1}{2}$ , then h may be ........

A. 20 B. 4 C. 28 D. 54

g. The opposite area model represents ........

| | | | | | |
|---|---|---|---|---|---|
| $\frac{1}{2}$ | | | $\frac{1}{2}$ | | |
| $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ |

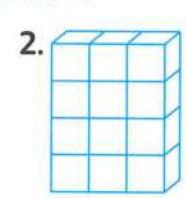
A. $\frac{1}{2} \div \frac{1}{6}$ B. $\frac{1}{2} \div 3$

C. $\frac{1}{6} \div \frac{1}{2}$ D. $\frac{1}{2} \times \frac{1}{6}$

**4. Answer the following :**

**a. Which of the following is greater in volume ?**

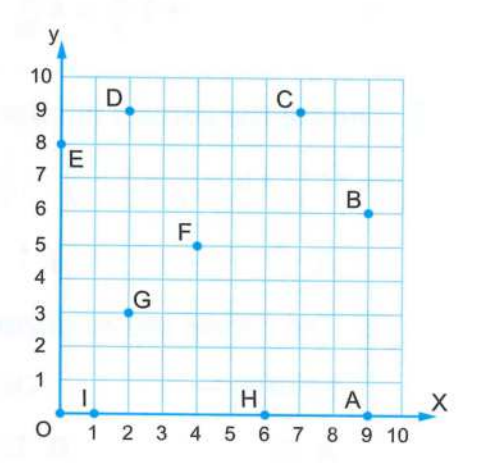
1.

2. 

**b.** Moustafa is harvesting sugarcane He can harvest $3\frac{3}{4}$ kilograms of sugarcane in 1 hour. If he plans to work for $2\frac{1}{2}$ hours , **how much sugarcane will he harvest ?**

**c. In the following grid, observe and answer.**

**What is the name of each of the following points ?**




**1.** (0 , 8) **2.** (9 , 6)

**3.** (6 , 0) **4.** (2 , 3)

**5.** (1 , 0) **6.** (7 , 9)

**7.** (4 , 5) **8.** (2 , 9)

**9.** (9 , 0) **10.** (0 , 0)

**d. For each problem, identify which operation (addition, subtraction, multiplication, or division) should be used to model the situation described.**

**1.** There are 4 kilograms of hummus. A worker separates the hummus into packages of $\frac{1}{4}$ kg. How many packages will be made ?

**2.** The factory's staff is $\frac{5}{8}$ female. How much of the staff is male ?

**3.** Fatma feeds her cat $\frac{1}{8}$ of a kilogram of cat food each day. How many days will 4 kg of cat food last ?

# Answers of Final Assessments

## Model 1

1. a. C   b. C   c. B
   d. A   e. C   f. A
   g. A

2. a. rectangle   b. $\frac{1}{2}$   c. 120
   d. $\frac{1}{4}$   e. 2   f. 5
   g. $\frac{9}{10}$   h. $\frac{8}{7}$ or $1\frac{1}{7}$

3. a. B   b. B   c. C
   d. C   e. D   f. A
   g. A

4. a. Bassem ate $= 1\frac{3}{4} + \frac{1}{5}$
   $= 1\frac{15}{20} + \frac{4}{20}$
   $= 1\frac{19}{20}$ kg.
   Wael ate $= 1\frac{3}{4} - \frac{2}{5} = 1\frac{15}{20} - \frac{8}{20}$
   $= 1\frac{7}{20}$ kg.
   The three friends ate
   $= 1\frac{15}{20} + 1\frac{19}{20} + 1\frac{7}{20} = 5\frac{1}{20}$ kg.
   b. (1) 9   (2) 11   (3) 4
   (4) 4   (5) 5
   c. (1) 4 slices   (2) 9 cubes
   (3) $4 \times 9 = 36$
   d. $1 - [\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{4}] = \frac{3}{20}$

## Model 2

1. a. A   b. A   c. A
   d. D   e. B   f. B
   g. D

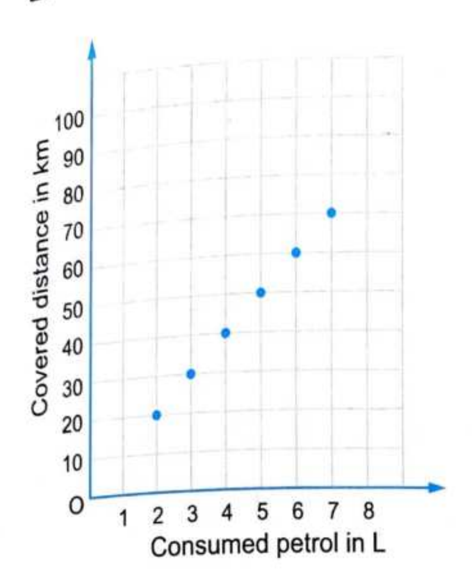
2. a. $L \times w \times h$   b. $1\frac{9}{14}$
   c. pentagon   d. $\frac{2}{9}$
   e. $1\frac{5}{6}$   f. $\frac{1}{6}$
   g. rhombus   h. $\frac{1}{2}$

3. a. D   b. A   c. C
   d. B   e. D   f. D
   g. C

4. a. $10 \div \frac{1}{6} = 10 \times 6 = 60$ sixths.
   b. Volume $= 4 \times 1 \times 2$
   $= 8$ square units.
   c. Marwan studied
   $= 2\frac{1}{2}$ hours $+ 90$ minutes
   $= 2\frac{1}{2} + 1\frac{1}{2} = 4$ hours.
   d. 1.

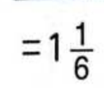
| Consumed petrol in litre | Covered distance in Km |
|---|---|
| 2 | 20 |
| 3 | 30 |
| 4 | 40 |
| 6 | 60 |
| 5 | 50 |
| 7 | 70 |

2.




## Model 3

1. a. B b. C c. D
d. B e. B f. A
g. D

2. a.  X XX − X XX

$= 1\frac{1}{6}$

b. $2\frac{1}{6}$ c. $3\frac{2}{3}$ d. 60
e. 15 f. $\frac{3}{4}$ g. 15
h. $\frac{1}{15}$ $m^2$

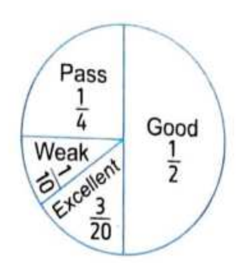
3. a. B b. C c. C
d. C e. A f. A
g. B

4. a. Youssef exercised

$= \frac{3}{4}$ hour $+ \frac{5}{6}$ hour

$= 45$ minutes $+ 50$ minutes

$= 95$ minutes.

b. 

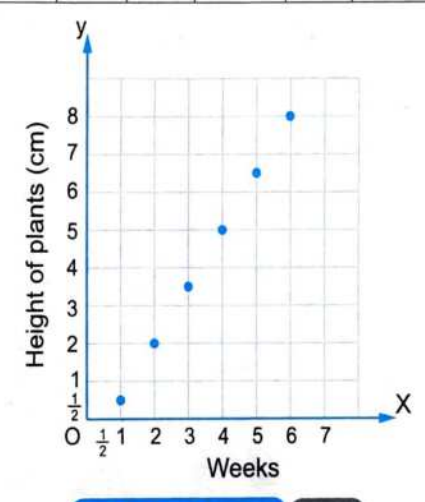

c. The price of each pen $= 77 \div 9$

$= 8\frac{5}{9}$ L.E

$$\begin{array}{r} 8\frac{5}{9} \\ 9\overline{)77} \\ -72 \\ \hline 5 \end{array}$$

d.

| Weeks, x | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| Height of plants, y | $\frac{1}{2}$ cm | 2 cm | $3\frac{1}{2}$ cm | 5 cm | $6\frac{1}{2}$ cm | 8 cm |




## Model 4

1. a. A b. B c. D
d. D e. C f. A
g. D

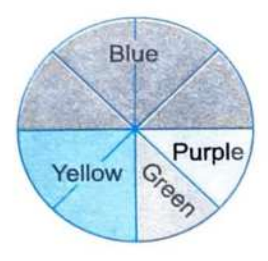
2. a. $1 + \frac{1}{4} + \frac{1}{5} = 1 + \frac{5}{20} + \frac{4}{20} = 1\frac{9}{20}$

b. $1\frac{7}{8}$ c. AC
d. 12 e. 12
f. 1 g. volume of cuboid
h. $\frac{1}{3}$

3. a. A  b. C  c. C
d. B  e. B  f. C
g. D

4.

a. 1.




2. $\frac{1}{4} \times 100 = 25$ students.

b. Sameh walked $= 2\frac{1}{5} + 1\frac{1}{3}$
$= 2\frac{3}{15} + 1\frac{5}{15}$
$= 3\frac{8}{15}$ km

c. (1) 3 slices  (2) 15 cubes
(3) $3 \times 15 = 45$

d. 1. W (8 , 7)  2. Y (0 , 3)  3. N (7 , 0)
4. F (9 , 8)  5. C (2 , 1)  6. X (2 , 8)
7. K (5 , 0)  8. U (3 , 6)  9. I (1 , 1)

## Model 5

1. a. B  b. D  c. B
d. B  e. A  f. A
g. D

2. a. volume ÷ base area
b. 21  c. $\frac{5}{3}$ or $1\frac{2}{3}$
d. $2\frac{1}{15}$  e. $\frac{7}{10}$
f. $\frac{1}{28}$  g. $\frac{1}{12}$ square units
h. sphere

3. a. C  b. C  c. A
d. B  e. A  f. D
g. B

4.

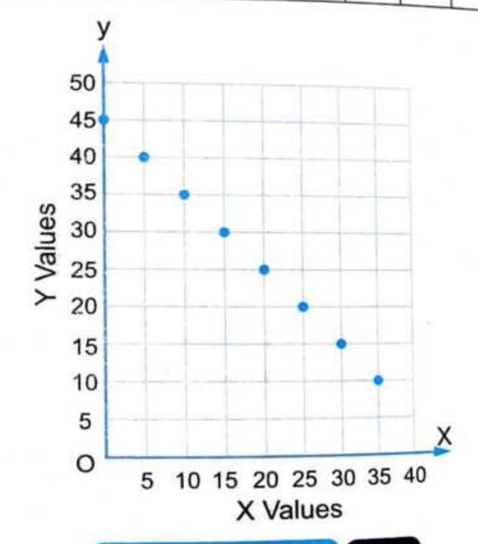
a. The left part $= 1 - \frac{1}{4} - \frac{1}{10}$
$= \frac{20}{20} - \frac{5}{20} - \frac{2}{20}$
$= \frac{13}{20}$ of day

b. $7 \div \frac{1}{3} = 7 \times 3 = 21$ thirds

c. 1. 2  2. 6  3. 8
4. 6  5. 4

b.

| X - Values | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 |
|---|---|---|---|---|---|---|---|---|
| Y - Values | 45 | 40 | 35 | 30 | 25 | 20 | 15 | 10 |




## Model 6

1. a. A  b. B  c. D
d. C  e. B  f. A
g. B

2. a. $2\frac{7}{8}$  b. $\frac{19}{20}$  c. 1
d. 8  e. $\frac{3}{10}$

f. isosceles triangle

g. base area

h. 3

---

**3.** a. D b. B c. D

d. B e. D f. A

g. C

---

**4.**

a. The time she took

$= 2\frac{1}{3}$ hours $+ 1\frac{1}{4}$ hours

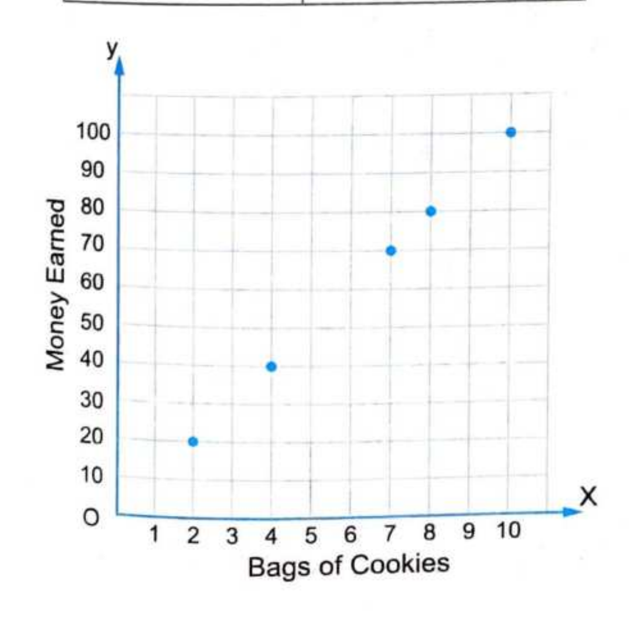
$= 2\frac{4}{12} + 1\frac{3}{12} = 3\frac{7}{12}$ hours

b. Volume $= 4 \times 3 \times 2 = 24$ 

c. $8 \div \frac{1}{2} = 8 \times 2 = 16$

d.

| Bages of Cookies | Money Earned in L.E. |
|---|---|
| 2 | 20 |
| 4 | 40 |
| 7 | 70 |
| 8 | 80 |
| 10 | 100 |




## Model 7

**1.** a. B b. D c. A

d. B e. B f. A

g. D

---

**2.** a. one b. $4\frac{7}{20}$

c. zero d. $1\frac{1}{12}$ or $\frac{13}{12}$

e. 17 f. $6\frac{6}{7}$ or $\frac{48}{7}$

g. ▭ ▭▭▭▭ − ▭▭ $= 1\frac{1}{4}$

h. rhombus

---

**3.** a. B b. B c. D

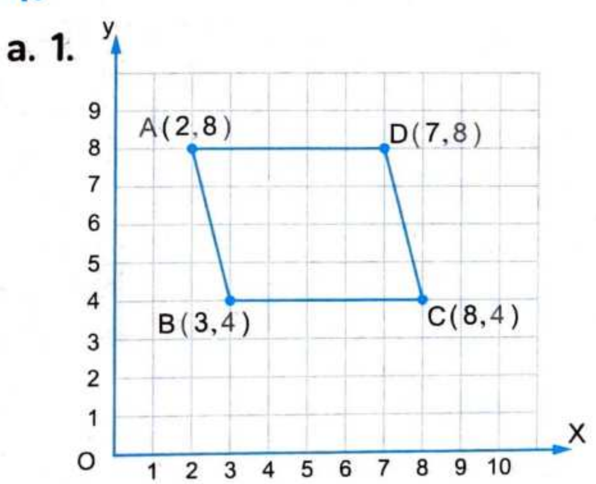
d. B e. A f. C

g. A

---

**4.**

a. 1.




2. Parallelogram

3. 5 length units

4. $\overline{BC}$ , $\overline{CD}$

b. The price $= 10\frac{1}{2} \times 8 = \frac{21}{2} \times 8$

$= 84$ L.E.

c. 1. $1 - 0.2 - 0.1 - 0.25 - 0.15 = 0.3$ or $\frac{3}{10}$

2. Social studies

d. She eaten $= \frac{2}{9} + \frac{2}{3} = \frac{2}{9} + \frac{6}{9}$

$= \frac{8}{9}$ of chocolate

## Model 8

1. a. D b. B c. A
d. A e. D f. D
g. B

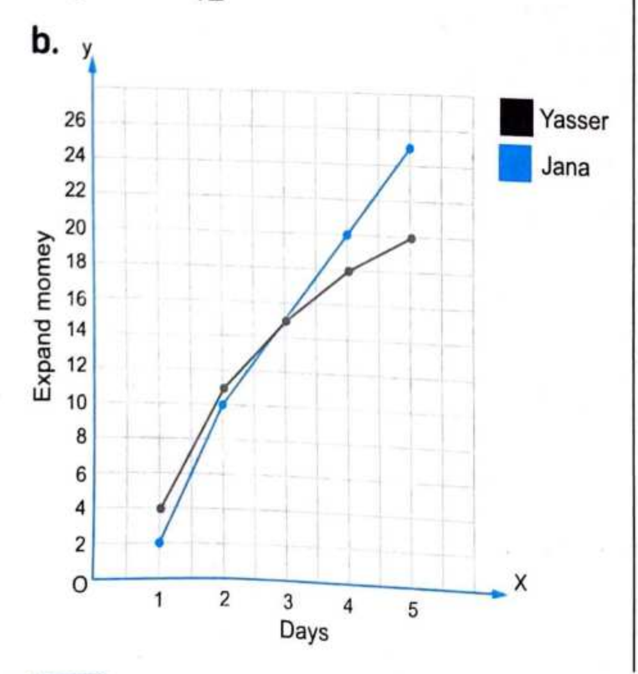
2. a. $2\frac{1}{2}$ b. 12 c. $L \times W$
d. $3\frac{7}{12}$ e. 2 f. $\frac{100}{2 \times 5} = 10$
g. scalene triangle
h. $3\frac{1}{2}$ or $\frac{7}{2}$

3. a. C b. B c. B
d. C e. D f. B
g. D

4.

a. $\frac{1}{3} \div 4 = \frac{1}{12}$

b.




c. 1. $\frac{1}{2}$ 2. $\frac{1}{8}$ 3. $\frac{1}{4}$

d. $1 - \frac{2}{3} - \frac{1}{5} = \frac{15}{15} - \frac{10}{15} - \frac{3}{15} = \frac{2}{15}$

$\frac{2}{15} = \frac{4}{?}$ (×2, ×2)

The time of break is 30 minutes.

## Model 9

1. a. D b. B c. B
d. C e. A f. D
g. A

2. a. 6 b. length c. $\frac{3}{4}$
d. 3 e. 24 f. 1
g. $1\frac{1}{6}$ h. 2

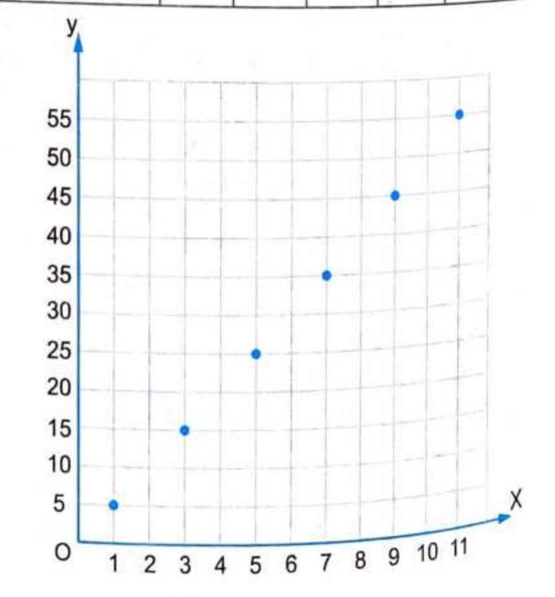
3. a. C b. A c. B
d. C e. A f. B
g. C

4.

a. He earns $= 7\frac{1}{4} \times 4 = \frac{29}{4} \times 4 = 29$ L.E.

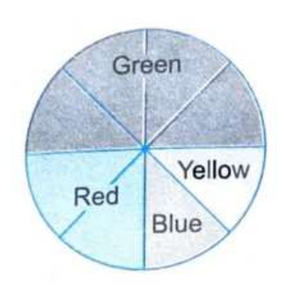
b.

| X - Values | 1 | 3 | 5 | 7 | 9 | 11 |
|---|---|---|---|---|---|---|
| Y - Values | 5 | 15 | 25 | 35 | 45 | 55 |



c. $7 \div \frac{1}{7} = 7 \times 7 = 49$ sevenths

d. 1.




2. $\frac{5}{\cancel{8}_{1}} \times {}_{5}\cancel{40} = 25$ students

## Model 10

**1.**
- a. C
- b. D
- c. C
- d. B
- e. B
- f. B
- g. D

---

**2.**
- a. 8
- b. $\frac{1}{14}$
- c. $2\frac{2}{7}$
- d. 6
- e. $4\frac{1}{9}$ or $\frac{37}{9}$
- f. $\frac{4}{5}$
- g. square pyramid
- h. $1\frac{1}{2}$ or $\frac{3}{2}$

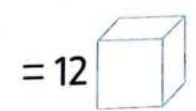
---

**3.**
- a. C
- b. B
- c. B
- d. C
- e. D
- f. C
- g. B

**4.**

a. Volume of first $= 5 \times 2 \times 1 = 10$ □

Volume of second $= 3 \times 1 \times 4$

$= 12$ 

The second is the greatest in volume

b. He will harvest $= 3\frac{3}{4} \times 2\frac{1}{2} = \frac{15}{4} \times \frac{5}{2}$

$= \frac{75}{8} = 9\frac{3}{8}$ kg.

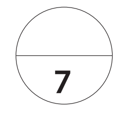
c.
1. E
2. B
3. H
4. G
5. I
6. C
7. F
8. D
9. A
10. O

d.
1. division
2. subtraction
3. division

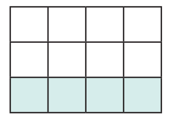
30 Marks

# Model (1)

## 1 Choose the correct answer:




a The fraction which represents the colored parts in the opposite figure is ..................



- $\frac{4}{3}$
- $\frac{1}{2}$
- $\frac{1}{4}$
- $\frac{1}{3}$

b The simplest form of $5\frac{12}{24}$ is ..................

- $4\frac{1}{2}$
- $5\frac{1}{4}$
- $5\frac{1}{2}$
- $5\frac{2}{4}$

c $\frac{2}{3}$ of 9 tiles = .................. tiles.

- 3
- 6
- 9
- 12

d $3\frac{1}{4} + 2\frac{1}{2} =$ .................. (in its simplest form)

- $5\frac{1}{4}$
- 5
- $5\frac{3}{4}$
- $5\frac{1}{2}$

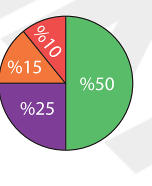
e $5 \times \frac{1}{2} =$ ..................

- $2\frac{1}{2}$
- $5\frac{1}{2}$
- $3\frac{1}{2}$
- $1\frac{1}{2}$

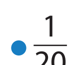
f The cube has .................. edges

- 6
- 12
- 8
- 6

g In the opposite pie chart the fraction of the sector which represents 10% is ..................





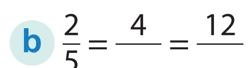
- $\frac{1}{4}$
- $\frac{1}{20}$
- $\frac{1}{10}$
- $\frac{1}{5}$

## 2 Complete each of the following:

8

a The estimation of $\frac{3}{5} + \frac{4}{7}$ using benchmark fractions = ..................

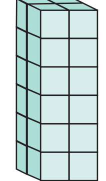
b $\frac{2}{5} = \frac{4}{......} = \frac{12}{......}$



c $4\frac{1}{4} + \frac{5}{8} =$ ..................

d $9 \div 2 =$ ..................

e The volume of the opposite solid = .............................. $cm^3$

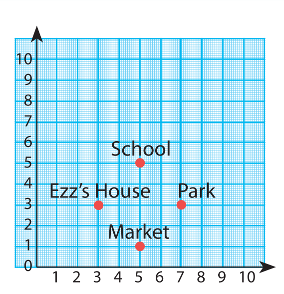


f The fraction which represents 25% of a pie chart = ..................

g 6 layers × .................. cubes in each layer = The volume = 48 $cm^3$

(where the volume of each cube is 1 $cm^3$)

**h** In the opposite figure the ordered pair which represents the position of the school is ..................




7

## 3 Choose the correct answer:

**a** When estimating $\frac{9}{10} + \frac{7}{9}$ as 2 then it is ..................

- equal to the actual result
- overestimate
- underestimate
- otherwise

**b** $\frac{3}{4} + \frac{1}{3} =$ ..................

- $\frac{1}{12}$
- $\frac{4}{12}$
- $1\frac{1}{12}$
- $\frac{14}{12}$

**c** $\frac{3}{10} - \frac{1}{5} =$ ..................

- $\frac{2}{10}$
- $\frac{2}{5}$
- $\frac{1}{10}$
- $\frac{1}{5}$

**d** If $\frac{30}{45} = \frac{6}{x}$, then the value of $x =$ ..................

- 5
- 6
- 7
- 9

**e** $8\frac{1}{2} - 2\frac{3}{7} =$ ..............................

- $6\frac{1}{14}$
- $5\frac{1}{14}$
- $6\frac{2}{14}$
- 7

**f** $4\frac{1}{2}$ year = 4 years, .................. months

- 5
- 6
- 7
- 9

**g** The cubic centimeter is the volume of a cube whose edge length is 1cm is denoted by ..................

- $cm^3$
- $m^3$
- $cm^2$
- $m^2$

## 4 Answer the following:




**a** Evaluate each expression by rewriting the fractions with like denominators.

**1** $\frac{3}{5} + \frac{1}{3}$

**2** $2 - \frac{7}{9} - \frac{1}{6}$

**Answer :**

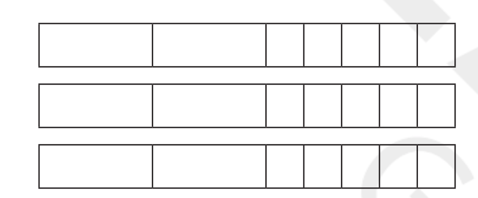
**1** $\frac{3}{5} + \frac{1}{3} =$ ..............................

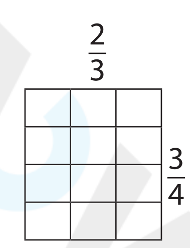
**2** $2 - \frac{7}{9} - \frac{1}{6} =$ ..............................

**b** Draw a diagram to represent the following, then find the result:

**1** $3 \times 2\frac{1}{5} =$ ..............

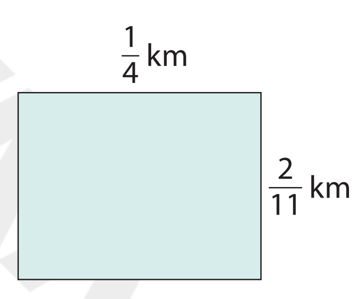
**2** $\frac{2}{3} \times \frac{3}{4} =$ ..............






**c** The university is building a new courtyard.

The outline of the courtyard is shown. Find its area:




**Answer:** ..............................................................................

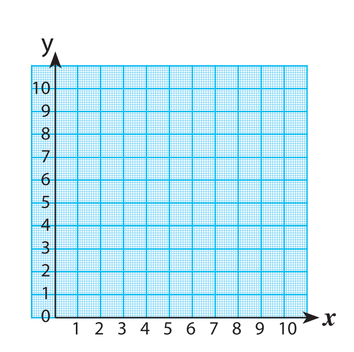
**d** Plot the points on the coordinate grid.

A (3,2)

B (3,5)

C (6,5)

D (6,2)

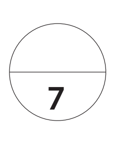



Connect the points in order. What polygon did you create? .................... .

30 Marks

# Model (2)

## 1 Choose the correct answer:




**a** Using benchmark fractions, choose two fractions whose sum is more than 1

- $\frac{1}{10}$ and $\frac{1}{5}$
- $\frac{5}{8}$ and $\frac{1}{5}$
- $\frac{1}{10}$ and $\frac{7}{8}$
- $\frac{5}{8}$ and $\frac{7}{8}$

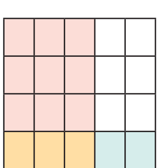
**b** $\frac{2}{3}$ of 9 squares = .................... squares

- 3
- 4
- 6
- 8

**c** $2\frac{1}{4}$ = ....................

- $2\frac{4}{8}$
- $2\frac{4}{16}$
- $1\frac{1}{2}$
- $1\frac{2}{8}$

**d** The colored part in the following model represents ....................



- $\frac{3}{5} \times \frac{1}{5} = \frac{3}{25}$
- $\frac{2}{3} \times \frac{1}{4} = \frac{3}{12}$
- $\frac{3}{5} \times \frac{1}{4} = \frac{3}{20}$
- $\frac{3}{5} \times \frac{1}{4} = \frac{3}{20}$

**e** How many tiles equal $\frac{2}{5}$ of an array of 15 tiles?

- 3
- 4
- 6
- 7

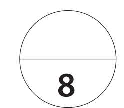
**f** The cubic centimeter is a unit of measuring ....................

- the perimeter
- the area
- the volume
- the length

**g** $6\frac{2}{9} - 1\frac{1}{3}$ = ..........

- $5\frac{8}{9}$
- $3\frac{8}{9}$
- $4\frac{1}{9}$
- $4\frac{8}{9}$

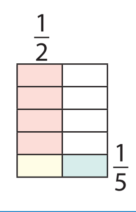
## 2 Complete each of the following:



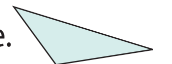

**a** $2 - \frac{4}{10}$ = ..........

**b** The estimation of $3\frac{3}{4} - 1\frac{1}{12}$ is ..........

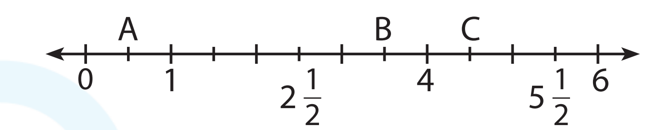
**c** The colored part in the opposite diagram represents $\frac{1}{2} \times \frac{1}{5}$ = ..........



**d** $9 \div \frac{1}{2} =$ ...............

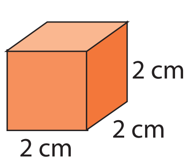
**e** The opposite triangle is a/an ............... triangle and a/an ...............-angled triangle. 

**f** Use the number line and complete the value of A= ............... , B = ............... , C = ...............




**g** The ............... is a solid has 8 vertices and 6 faces; each two opposite faces have the same size.

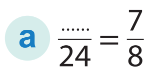
**h** The volume of the opposite cube = ......... × ......... × .........= ......... $cm^3$




## 3 Choose the correct answer:

7

**a** $\frac{......}{24} = \frac{7}{8}$



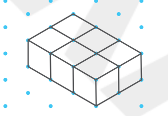
- 45
- 21
- 6
- 13

**b** $4 \div \frac{1}{5} =$ ....................

- $\frac{4}{5}$
- $\frac{5}{4}$
- 20
- $4\frac{1}{5}$



**c** The volume of the opposite solid is .................... $cm^3$



- 4
- 8
- 6
- 10

**d** $\frac{1}{6} + \frac{4}{6} + \frac{5}{6} + \frac{2}{6} =$ ....................

- 2
- 3
- 4
- 5

**e** $\frac{1}{4}$ of 16 squares = .................... squares.

- 2
- 3
- 4
- 5

**f** The fraction which represents 50% of a pie chart = ....................

- $\frac{1}{5}$
- $\frac{1}{2}$
- $\frac{1}{3}$
- $\frac{1}{10}$

## 4 Answer the following:

8

**a** Estimate the following fractions using the benchmarks, then find the actual sum:

$\frac{3}{7} + \frac{3}{5}$

The estimation is ..............................

The sum is: ..............................................................................................................................

**b** Evaluate the following and put the results in its simplest form as possible:

**1** $2\frac{5}{6} + 2\frac{3}{6} =$ ....................................................  **2** $7\frac{4}{7} - 2\frac{3}{7} =$ ...................

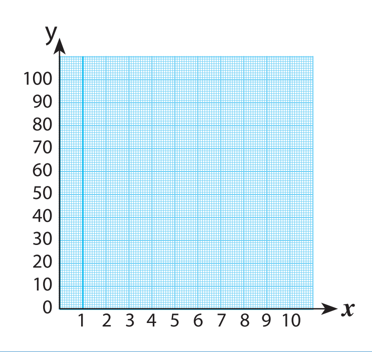
**c** Create an area model to find the quotient of the following:

$4 \div \frac{1}{3} =$ ...................

**Answer:**

**d** Ola is selling bags of cookies to her neighborhood to make extra money to buy a new bike. She earns L.E. 5 for each bag of cookies she sells. Complete the table then graph the points on the coordinate grid.

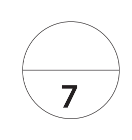
| Bags of cookies | Earned money in LE |
|---|---|
| 2 | ................... |
| 4 | ................... |
| 7 | ................... |
| 8 | ................... |
| 10 | ................... |



30 Marks

# Model (3)

## 1 Choose the correct answer:




**a** $5 - \ldots\ldots = 4\frac{3}{4}$

- $\frac{1}{4}$
- $\frac{2}{4}$
- $\frac{3}{4}$
- $1\frac{1}{4}$

**b** The common denominator of the two mixed numbers $1\frac{4}{6}$ and $3\frac{3}{4}$ may be ……………

- 15
- 20
- 24
- 9

**c** The estimation of $3\frac{6}{7} + 4\frac{1}{8}$ using benchmark fractions is ……………

- 5
- 6
- 7
- 8

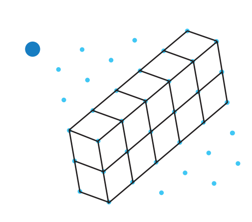
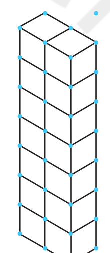
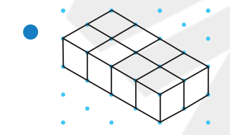
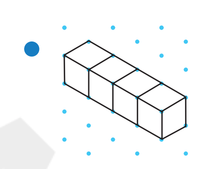
**d** If $1\frac{3}{8} + x = 7$, then $x =$ ……………

- $5\frac{5}{8}$
- $3\frac{5}{8}$
- $4\frac{5}{8}$
- $5\frac{4}{8}$

**e** $\frac{1}{3} \div 6 =$ ……………

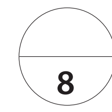
- $6\frac{1}{3}$
- $\frac{1}{18}$
- 2
- $\frac{2}{18}$

**f** Which of the following, its volume is $14\ cm^3$?

- 
-  
- 
- 

**g** …………………… is the amount of space occupied by a 3D solid.

## 2 Complete each of the following:



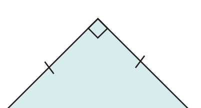

**a** $1\frac{1}{5} + \ldots\ldots = 3\frac{3}{5}$

**b** $4\frac{1}{3} - 2\frac{1}{4} =$ ……………

**c** $2 \div \frac{1}{4} =$ ……………

**d** If $3\frac{1}{3} + b = 6$ then $b =$ ……………

**e** The type of the opposite triangle according to its angles is a/an …………… triangle and according to its sides is a/an …………… triangle.

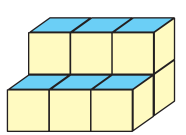


**f** If the number of layers =4 and the number of cubes in each layer = 3,

then the volume = .................................. $cm^3$ (where the volume of each cube is 1 $cm^3$)

**g** $\frac{1}{5}$ of the pie chart represents ..................................%

**h** The volume of the opposite solid = .................................. $cm^3$



7

## 3 Choose the correct answer:



**a** $\frac{1}{3} \div$ ...................... $= \frac{1}{9}$

- 3
- 4
- $\frac{1}{9}$
- $\frac{1}{3}$

**b** $\frac{1}{3} \times 3 =$ ......................

- 3
- $3\frac{1}{2}$
- 1
- 9

**c** There are ...................... fourths in 3

- 7
- 12
- $\frac{3}{4}$
- 3

**d** $7 \div 6 =$ ......................

- $2\frac{1}{6}$
- $\frac{1}{6}$
- $\frac{6}{7}$
- $1\frac{1}{6}$

**e** $\frac{1}{8} \times h = \frac{1}{24}$

- 3
- $\frac{1}{3}$
- $\frac{1}{4}$
- 2

**f** $\frac{1}{3} \div 5 =$ ......................

- 15
- $\frac{1}{15}$
- $\frac{1}{3}$
- 3

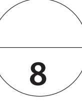
**g** The value of the opposite cube = ...................... $cm^3$

4 cm
4 cm



- 4
- 8
- 16
- 64

## 4 Answer the following:




**a** Find each of the following by renaming the fractions using LCM:

1. $\frac{2}{5} + 1\frac{5}{10} =$ ..........................  2. $1\frac{2}{4} - \frac{1}{2} =$ ..........................

**b** 1. Find the product using distributive property:

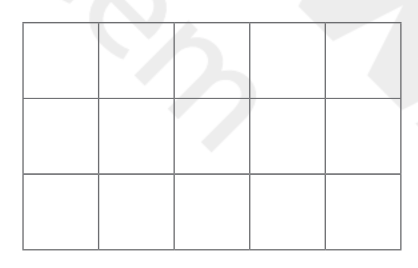
$3\frac{1}{2} \times \frac{1}{4} =$ ..........................

2. Rewrite the mixed numbers as improper fractions. Then, simplify before you multiply.

$3\frac{1}{2} \times 1\frac{1}{3} =$ ..........................

**c** 1. Create an area model to find the quotient of $\frac{1}{3} \div 5 =$ ..........

2. Draw a rectangle of length $2\frac{1}{2}$ units and a width $4\frac{1}{2}$ units. Then, calculate and record its area



= ..........................

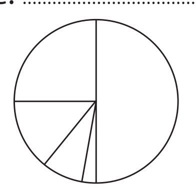
**d** This frequency table shows the favorite ice cream flavors of a group of 50 children.

1. Fill in the fractions in the simplest form for each flavor.

2. Shade and label the pie chart using the data from the table

| Flavor | Mango | Vanilla | Mastic | Chocolate | Hazelnut |
|---|---|---|---|---|---|
| Frequency | 5 | 25 | 6 | 12 | 2 |
| Fractions | A. .......... | B. .......... | C. .......... | D. .......... | E. .......... |

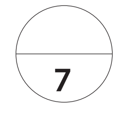
Title: ..........................



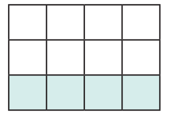
30 Marks

# Model (1)

## 1 Choose the correct answer:




**a** The fraction which represents the colored parts in the opposite figure is ..................



- $\frac{4}{3}$
- $\frac{1}{2}$
- $\frac{1}{4}$
- $\frac{1}{3}$

**b** The simplest form of $5\frac{12}{24}$ is ..................

- $4\frac{1}{2}$
- $5\frac{1}{4}$
- $5\frac{1}{2}$
- $5\frac{2}{4}$

**c** $\frac{2}{3}$ of 9 tiles = .................. tiles.

- 3
- 6
- 9
- 12

**d** $3\frac{1}{4} + 2\frac{1}{2} =$ .................. (in its simplest form)

- $5\frac{1}{4}$
- 5
- $5\frac{3}{4}$
- $5\frac{1}{2}$

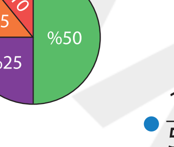
**e** $5 \times \frac{1}{2} =$ ..................

- $2\frac{1}{2}$
- $5\frac{1}{2}$
- $3\frac{1}{2}$
- $1\frac{1}{2}$

**f** The cube has .................. edges

- 6
- 12
- 8
- 6

**g** In the opposite pie chart the fraction of the sector which represents 10% is ..................



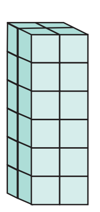

- $\frac{1}{4}$
- $\frac{1}{20}$
- $\frac{1}{10}$
- $\frac{1}{5}$

## 2 Complete each of the following:

8

**a** The estimation of $\frac{3}{5} + \frac{4}{7}$ using benchmark fractions = 1

**b** $\frac{2}{5} = \frac{4}{10} = \frac{12}{30}$ **c** $4\frac{1}{4} + \frac{5}{8} = 4\frac{7}{8}$ **d** $9 \div 2 = 4\frac{1}{2}$



**e** The volume of the opposite solid = $4 \times 6 = 24$ $cm^3$

**f** The fraction which represents 25% of a pie chart = $\frac{1}{4}$

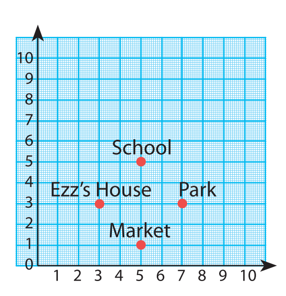


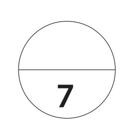
**g** 6 layers × 8 cubes in each layer = The volume = 48 $cm^3$



(where the volume of each cube is 1 $cm^3$)

**h** In the opposite figure the ordered pair which represents the position of the school is (5 , 5)




## 3 Choose the correct answer:

**a** When estimating $\frac{9}{10} + \frac{7}{9}$ as 2 then it is ..................

- equal to the actual result
- **overestimate**
- underestimate
- otherwise

**b** $\frac{3}{4} + \frac{1}{3} =$ ..................

- $\frac{1}{12}$
- $\frac{4}{12}$
- **$1\frac{1}{12}$**
- $\frac{14}{12}$

**c** $\frac{3}{10} - \frac{1}{5} =$ ..................

- $\frac{2}{10}$
- $\frac{2}{5}$
- **$\frac{1}{10}$**
- $\frac{1}{5}$

**d** If $\frac{30}{45} = \frac{6}{x}$, then the value of $x =$ ..................

- 5
- 6
- 7
- **9**

**e** $8\frac{1}{2} - 2\frac{3}{7} =$ ..............................

- **$6\frac{1}{14}$**
- $5\frac{1}{14}$
- $6\frac{2}{14}$
- 7

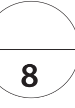
**f** $4\frac{1}{2}$ year = 4 years, .................. months

- 5
- **6**
- 7
- 9

**g** The cubic centimeter is the volume of a cube whose edge length is 1cm is denoted by ..................

- **$cm^3$**
- $m^3$
- $cm^2$
- $m^2$

## 4 Answer the following:




**a** Evaluate each expression by rewriting the fractions with like denominators.

1 $\frac{3}{5}+\frac{1}{3}$

2 $2-\frac{7}{9}-\frac{1}{6}$

**Answer :**

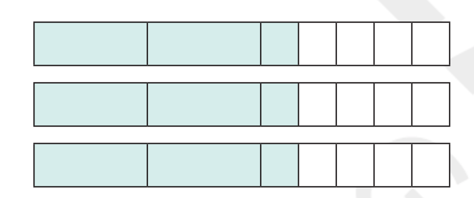
1 $\frac{3}{5}+\frac{1}{3}=\frac{9}{15}+\frac{5}{15}=\frac{14}{15}$

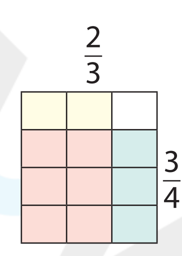
2 $2-\frac{7}{9}-\frac{1}{6}=1\,\frac{18}{18}-\frac{14}{18}-\frac{3}{18}=1\,\frac{1}{18}$

**b** Draw a diagram to represent the following, then find the result:

1 $3\times 2\frac{1}{5}=6\,\frac{3}{5}$

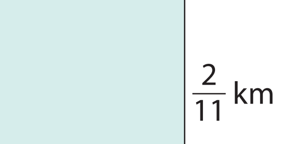
2 $\frac{2}{3}\times\frac{3}{4}=\frac{6}{12}$






**c** The university is building a new courtyard.

The outline of the courtyard is shown. Find its area:




**Answer: The area = Length X Width =** $\frac{1}{4}\times\frac{2}{11}=\frac{2}{44}=\frac{1}{22}$ **km²**

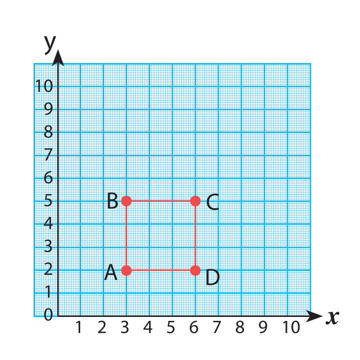
**d** Plot the points on the coordinate grid.

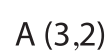
A (3,2)

B (3,5)

C (6,5)

D (6,2)

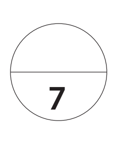


Connect the points in order. What polygon did you create? **Square** .

## 30 Marks — Model (2)

### 1 Choose the correct answer:




**a** Using benchmark fractions, choose two fractions whose sum is more than 1

- $\frac{1}{10}$ and $\frac{1}{5}$
- $\frac{5}{8}$ and $\frac{1}{5}$
- $\frac{1}{10}$ and $\frac{7}{8}$
- $\frac{5}{8}$ and $\frac{7}{8}$

**b** $\frac{2}{3}$ of 9 squares = .................... squares

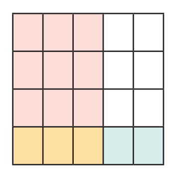
- 3
- 4
- 6
- 8

**c** $2\frac{1}{4}$ = ....................

- $2\frac{4}{8}$
- $2\frac{4}{16}$
- $1\frac{1}{2}$
- $1\frac{2}{8}$

**d** The colored part in the following model represents ....................





- $\frac{3}{5} \times \frac{1}{5} = \frac{3}{25}$
- $\frac{2}{3} \times \frac{1}{4} = \frac{3}{12}$
- $\frac{3}{5} \times \frac{1}{4} = \frac{3}{20}$
- $\frac{3}{5} \times \frac{1}{4} = \frac{3}{20}$

**e** How many tiles equal $\frac{2}{5}$ of an array of 15 tiles?

- 3
- 4
- 6
- 7

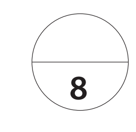
**f** The cubic centimeter is a unit of measuring ....................

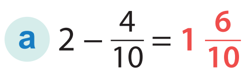
- the perimeter
- the area
- the volume
- the length

**g** $6\frac{2}{9} - 1\frac{1}{3}$ = ..........

- $5\frac{8}{9}$
- $3\frac{8}{9}$
- $4\frac{1}{9}$
- $4\frac{8}{9}$

### 2 Complete each of the following:



**a** $2 - \frac{4}{10} = 1\frac{6}{10}$

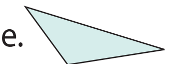


**b** The estimation of $3\frac{3}{4} - 1\frac{1}{12}$ is 3

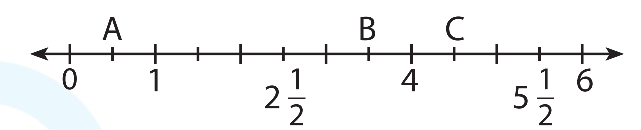
**c** The colored part in the opposite diagram represents $\frac{1}{2} \times \frac{1}{5} = \frac{1}{10}$

**d** $9 \div \frac{1}{2} = $ 18

**e** The opposite triangle is a/an scalene triangle and a/an obtuse-angled triangle.

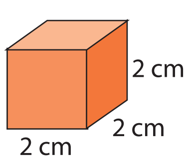


**f** Use the number line and complete the value of A= $\frac{1}{2}$, B = $3\frac{1}{2}$, C = $4\frac{1}{2}$




**g** The cuboid is a solid has 8 vertices and 6 faces; each two opposite faces have the same size.

**h** The volume of the opposite cube $= 2 \times 2 \times 2 = 8$ cm$^3$




7

## 3 Choose the correct answer:

**a** $\frac{\dots}{24} = \frac{7}{8}$

- 45
- 21
- 6
- 13

**b** $4 \div \frac{1}{5} = $ ..................

- $\frac{4}{5}$
- $\frac{5}{4}$
- 20
- $4\frac{1}{5}$

**c** The volume of the opposite solid is .................. cm$^3$



- 4
- 8
- 6
- 10

**d** $\frac{1}{6} + \frac{4}{6} + \frac{5}{6} + \frac{2}{6} = $ ..................

- 2
- 3
- 4
- 5

**e** $\frac{1}{4}$ of 16 squares = .................. squares.

- 2
- 3
- 4
- 5

**f** The fraction which represents 50% of a pie chart = ..................

- $\frac{1}{5}$
- $\frac{1}{2}$
- $\frac{1}{3}$
- $\frac{1}{10}$

## 4 Answer the following:




**a** Estimate the following fractions using the benchmarks, then find the actual sum:

$\frac{3}{7} + \frac{3}{5}$

The estimation is 1

The sum is $\frac{15}{35} + \frac{21}{35} = \frac{36}{35} = 1\frac{1}{35}$

**b** Evaluate the following and put the results in its simplest form as possible:

**1** $2\frac{5}{6} + 2\frac{3}{6} = 4\frac{8}{6} = 4\frac{4}{3} = 5\frac{1}{3}$

**2** $7\frac{4}{7} - 2\frac{3}{7} = 5\frac{1}{7}$

**c** Create an area model to find the quotient of the following:

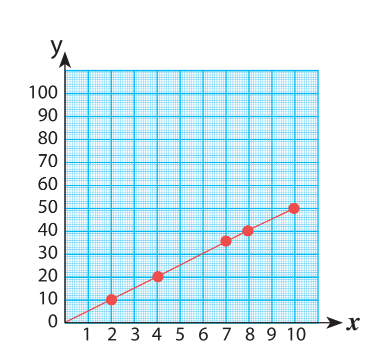
$4 \div \frac{1}{3} = 12$

**Answer:**

| 1 | | | 2 | | | 3 | | | 4 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| $\frac{1}{3}$ | $\frac{1}{3}$ | $\frac{1}{3}$ | $\frac{1}{3}$ | $\frac{1}{3}$ | $\frac{1}{3}$ | $\frac{1}{3}$ | $\frac{1}{3}$ | $\frac{1}{3}$ | $\frac{1}{3}$ | $\frac{1}{3}$ | $\frac{1}{3}$ |

**d** Ola is selling bags of cookies to her neighborhood to make extra money to buy a new bike. She earns L.E. 5 for each bag of cookies she sells. Complete the table then graph the points on the coordinate grid.

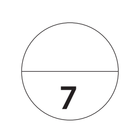
| Bags of cookies | Earned money in LE |
|---|---|
| 2 | 10 |
| 4 | 20 |
| 7 | 35 |
| 8 | 40 |
| 10 | 50 |



30 Marks

# Model (3)

## 1 Choose the correct answer:




a $5 - \ldots\ldots = 4\frac{3}{4}$

- $\frac{1}{4}$
- $\frac{2}{4}$
- $\frac{3}{4}$
- $1\frac{1}{4}$

b The common denominator of the two mixed numbers $1\frac{4}{6}$ and $3\frac{3}{4}$ may be ……

- 15
- 20
- 24
- 9

c The estimation of $3\frac{6}{7} + 4\frac{1}{8}$ using benchmark fractions is ……

- 5
- 6
- 7
- 8

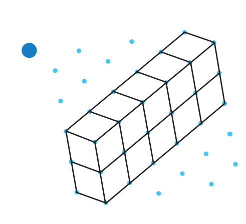
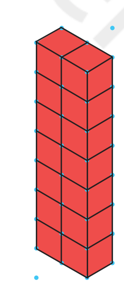
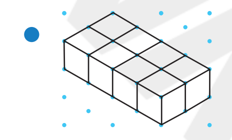
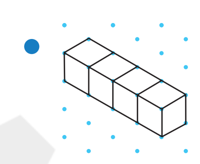
d If $1\frac{3}{8} + x = 7$, then $x =$ ……

- $5\frac{5}{8}$
- $3\frac{5}{8}$
- $4\frac{5}{8}$
- $5\frac{4}{8}$

e $\frac{1}{3} \div 6 =$ ……

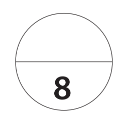
- $6\frac{1}{3}$
- $\frac{1}{18}$
- 2
- $\frac{2}{18}$

f Which of the following, its volume is 14 $cm^3$?

- 
- 
- 
- 

g The volume is the amount of space occupied by a 3D solid.

## 2 Complete each of the following:



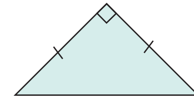

a $1\frac{1}{5} + 2\frac{2}{5} = 3\frac{3}{5}$

b $4\frac{1}{3} - 2\frac{1}{4} = 2\frac{1}{12}$

c $2 \div \frac{1}{4} = 8$

d If $3\frac{1}{3} + b = 6$ then $b = 2\frac{2}{3}$

e The type of the opposite triangle according to its angles is a/an right-angled triangle and according to its sides is a/an isosceles triangle.

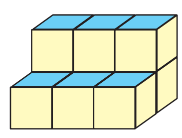


**f** If the number of layers =4 and the number of cubes in each layer = 3,

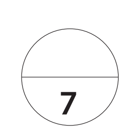
then the volume = 12 $cm^3$ (where the volume of each cube is 1 $cm^3$)

**g** $\frac{1}{5}$ of the pie chart represents 20%

**h** The volume of the opposite solid = 9 $cm^3$



## 3 Choose the correct answer:




**a** $\frac{1}{3} \div$ .................... $= \frac{1}{9}$

- 3
- 4
- $\frac{1}{9}$
- $\frac{1}{3}$

**b** $\frac{1}{3} \times 3 =$ ....................

- 3
- $3\frac{1}{2}$
- 1
- 9

**c** There are .................... fourths in 3

- 7
- 12
- $\frac{3}{4}$
- 3

**d** $7 \div 6 =$ ....................

- $2\frac{1}{6}$
- $\frac{1}{6}$
- $\frac{6}{7}$
- $1\frac{1}{6}$

**e** $\frac{1}{8} \times h = \frac{1}{24}$

- 3
- $\frac{1}{3}$
- $\frac{1}{4}$
- 2

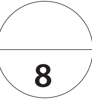
**f** $\frac{1}{3} \div 5 =$ ....................

- 15
- $\frac{1}{15}$
- $\frac{1}{3}$
- 3

**g** The value of the opposite cube = .................... $cm^3$

- 4
- 8
- 16
- 64

## 4 Answer the following:




**a** Find each of the following by renaming the fractions using LCM:

1. $\frac{2}{5} + 1\frac{5}{10} = \frac{4}{10} + 1\frac{5}{10} = 1\frac{9}{10}$

2. $1\frac{2}{4} - \frac{1}{2} = 1\frac{2}{4} - \frac{2}{4} = 1$

**b** 1. Find the product using distributive property:

$3\frac{1}{2} \times \frac{1}{4} = \left(3 \times \frac{1}{4}\right) + \left(\frac{1}{2} \times \frac{1}{4}\right) = \frac{3}{4} + \frac{1}{8} = \frac{6}{8} + \frac{1}{8} = \frac{7}{8}$

2. Rewrite the mixed numbers as improper fractions. Then, simplify before you multiply.

$3\frac{1}{2} \times 1\frac{1}{3} = \frac{7}{\cancel{2}_1} \times \frac{\cancel{4}^2}{3} = \frac{14}{3} = 4\frac{2}{3}$

**c** 1. Create an area model to find the quotient of $\frac{1}{3} \div 5 = \frac{1}{15}$

| $\frac{1}{3}$ | | | | | $\frac{1}{3}$ | | | | | $\frac{1}{3}$ | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $\frac{1}{15}$ | $\frac{1}{15}$ | $\frac{1}{15}$ | $\frac{1}{15}$ | $\frac{1}{15}$ | | | | | | | | | | |

2. Draw a rectangle of length $2\frac{1}{2}$ units and a width $4\frac{1}{2}$ units. Then, calculate and record its area

| | | | | | |
|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | $\frac{1}{2}$ | |
| 1 | 1 | 1 | 1 | $\frac{1}{2}$ | |
| $\frac{1}{2}$ | $\frac{1}{2}$ | $\frac{1}{2}$ | $\frac{1}{2}$ | $\frac{1}{4}$ | |
| | | | | | |

$= (4 \times 2) + \left(6 \times \frac{1}{2}\right) + \left(1 \times \frac{1}{4}\right) = 11\frac{1}{4}$

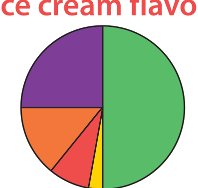
**d** This frequency table shows the favorite ice cream flavors of a group of 50 children.

1. Fill in the fractions in the simplest form for each flavor.

2. Shade and label the pie chart using the data from the table

| Flavor | Mango | Vanilla | Mastic | Chocolate | Hazelnut |
|---|---|---|---|---|---|
| Frequency | 5 | 25 | 6 | 12 | 2 |
| Fractions | A. $\frac{1}{10}$ | B. $\frac{1}{2}$ | C. $\frac{3}{25}$ | D. $\frac{6}{25}$ | E. $\frac{1}{25}$ |

Title: The favorite ice cream flavors



# Exam 1

## First: Choose the correct answer:

1. $\frac{15}{18}$ = .................... (in the simplest form) ($\frac{1}{6}$ or $\frac{5}{6}$ or $\frac{3}{5}$ or $\frac{1}{2}$)

2. $\frac{5}{8} - \frac{1}{2}$ = .................... (1 or $\frac{2}{3}$ or $1\frac{1}{8}$ or $\frac{1}{8}$)

3. Estimating $13\frac{7}{8} - 6\frac{2}{5}$ = .................... ($6\frac{1}{2}$ or $8\frac{1}{4}$ or $7\frac{1}{2}$ or $8\frac{1}{2}$)

4. The mixed number $2\frac{1}{7}$ can be regrouped as .................... .
($1\frac{8}{2}$ or $2\frac{8}{7}$ or $1\frac{1}{14}$ or $1\frac{7}{8}$)




5. The opposite triangle is .................... .
(equilateral or isosceles or scalene or obtuse)

6. 150 minutes = .................... hours, .................... minutes.
(1,30 or 1,50 or 2,30 or 3,20)

7. A rectangular prism with dimensions 6cm, 5cm and 4cm, then its volume = .................... $cm^3$. (150 or 120 or 300 or 110)

## Second: Complete the following:

1. If $\frac{1}{2}$ + a = $\frac{5}{6}$, then a = .................... .

2. The x-coordinate of ( 2 , 5 ) is: .................... .

3. In the equilateral triangle LMN, LM = MN = 5cm. ,then LN = .................... cm.

4. $6\frac{2}{3}$ - .................... = $4\frac{1}{2}$

5. Base area × height = .................... .

6. The area of a rectangle whose dimensions are 4 and 9 cm = .................... .................... $cm^2$.

7 $\frac{1}{7} \div 4 =$ ..........

8 The point .......... is called the origin point.

## Third: Choose the correct answer:

1 If $\frac{1}{3} \div a = \frac{1}{6}$, then a = .......... . ( 3 or $\frac{1}{2}$ or 2 or $\frac{1}{3}$ )

2 $4\frac{1}{2} \times \frac{2}{3} =$ .......... ( 3 or $8\frac{1}{2}$ or $5\frac{2}{3}$ or $\frac{17}{6}$ )

3 $\frac{3}{7} - \frac{1}{3} =$ .......... ( $\frac{2}{21}$ or $\frac{1}{7}$ or $\frac{4}{10}$ or $\frac{31}{7}$ )

4 Which of the following is underestimate?

( $\frac{4}{7} + \frac{5}{8}$ is about 1 or $\frac{4}{5} + \frac{7}{8}$ is about 2 or $\frac{3}{7} - \frac{4}{10}$ is about 1 or $\frac{6}{7} - \frac{5}{6}$ is about 2 )

5 How many fifths are there in 7 ? ( 5 ÷ 7 or 5 × 7 or 5 + 7 or 7 − 5 )

6 Length of a cuboid = ..........

( L × W × h or $\frac{V}{W \times h}$ or $\frac{\text{base area}}{h}$ or W × h )

7 $1\frac{1}{2}$ day = .......... hours ( $\frac{3}{2}$ or 24 or 36 or $\frac{2}{3}$ )

## Fourth: Answer the following:

a Kareem walked $2\frac{1}{5}$ km, and Sameh walked $1\frac{1}{2}$ more. What is the distance that Sameh walked?

..........

..........

b A cuboid whose volume is 30 cm³ and the length of its base is 5 cm and its width is 2 cm. Find the height of the cuboid?

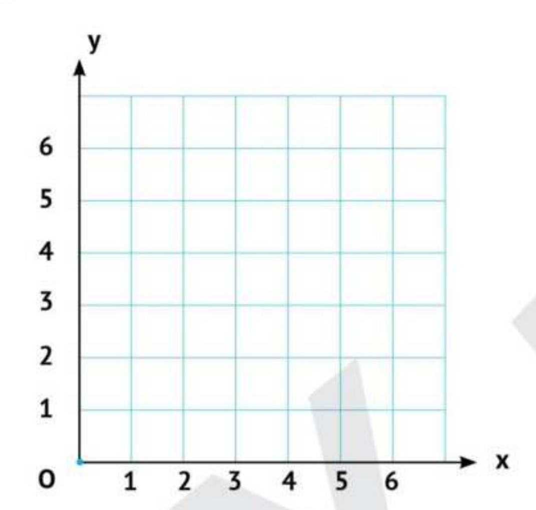
..........

Ⓒ Using the opposite coordinate plane:

1 Graph the figure ABCD where A ( 1 , 2 ), B ( 4 , 2 ), C ( 5 , 4 ), and D ( 2 , 4 )

2 What is the length of DC?






ⓓ Hany collected $5\frac{1}{2}$ kilograms of honey.

He gave his brother $2\frac{1}{4}$ kg of them. How many kg are left?

..................................................................................................

# Exam 2

## First: Choose the correct answer:

1 $1 - \frac{3}{4} =$ .................... ( $\frac{3}{4}$ or $\frac{4}{4}$ or $\frac{1}{4}$ or $\frac{2}{4}$ )

2 $\frac{1}{4}$ of a year = .................... months ( 3 or 4 or 6 or 12 )

3 If $\frac{1}{2} \div 3 = x$, then x = .................... ( $1\frac{1}{2}$ or $\frac{1}{6}$ or 6 or $\frac{2}{3}$ )

4 The Y–coordinate in the order pair ( 1 , 8 ) is .................... .

( 1 or 8 – 1 or 1 + 8 or 8 )

5 If $17 \div 8 = a\frac{1}{8}$, then a = .................... .

(2 or 17 or 8 or 1)

6 Any triangle has at least .................... acute angles. (3 or 4 or 2 or 5)

7 A cuboid whose volume 60 cm 3 its height 5 cm, then its base area = .................... $cm^2$.

(300 or 65 or 55 or 12)

## Second: Complete the following:

1. $\frac{24}{28} = \frac{\dots\dots}{7}$
2. $1\frac{3}{7} \times$ .................... $= 1$
3. The LCM of denominators of fractions $\frac{1}{3}$ and $\frac{2}{7}$ is ...............................
4. In $\triangle$ ABC, AB = BC = 7 cm and AC = 4 cm, then the type of the triangle according to the length of its sides is ........................................
5. $7\frac{3}{8} +$ ................ $= 10\frac{1}{4}$
6. Volume of cuboid = base area × ..........................
7. The triangle is a polygon that has ...................... sides and .................. angles.
8. $2\frac{5}{7} \times \frac{1}{5} =$ ................

## Third: Choose the correct answer:

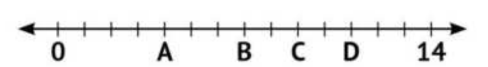
1. $\frac{3}{4} + \frac{1}{2} =$ ...................... ( $\frac{4}{6}$ or $\frac{3}{8}$ or $\frac{1}{4}$ or $1\frac{1}{4}$ )
2. Area of rectangle = ..................... × W ( W or h or L or Base area )
3. $5\frac{1}{6} + 2\frac{4}{5}$ is estimate as ...................... . ( 5 + 2 or 6 + 4 or 5 + 3 or 6 + 3 )
4. The number of thirds in 1 is ...................... . ( 1 or 3 or 2 or $\frac{1}{3}$ )
5. $2\frac{1}{7} + 5\frac{1}{2} =$ ...................... ( $5\frac{1}{2}$ or $3\frac{9}{14}$ or $7\frac{9}{14}$ or $1\frac{4}{7}$ )
6. The isosceles triangle has ...................... sides. (8 or 3 or 6 or 2)
7. $6 \div \frac{1}{3} =$ ...................... ( $\frac{1}{18}$ or 2 or $\frac{1}{2}$ or 18 )

## Fourth: Answer each of the following:

a. A factory's staff is $\frac{5}{8}$ females. How much of the staff is male?

..............................................................................................................................................

**b Use the number line to answer the questions:**




1 What is the value of C? ..........

2 What is the value of D? ..........

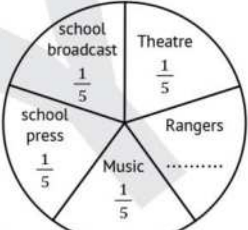
3 What is the value of A? ..........

4 How far is point B from D? ..........

5 How far is point C from A? ..........

c The following figure shows the favorite hobbies for the pupils of one of classes in the fifth primary.

What is the fraction of rangers with respect to all hobbies?




..........

d Mona took $2\frac{1}{3}$ hours to paint a table and $5\frac{1}{2}$ hours paint a chair. How much time did she take in all?

..........

# Exam 3

## First: Choose the correct answer:

1 The fraction $5\frac{3}{7}$ by regrouping is .......... . ( $5\frac{10}{7}$ or $4\frac{10}{7}$ or $3\frac{10}{7}$ or $\frac{38}{3}$ )

2 $3\frac{3}{4} \times \frac{1}{3} =$ .......... ( 15 or $1\frac{1}{8}$ or 20 or $\frac{1}{8}$ )

3 $2\frac{1}{2}$ hours = .......... minutes ( 120 or 140 or 150 or 160 )

4 Which of the following is equivalent to $\frac{5}{6}$ ? .......... ( $\frac{15}{16}$ or $\frac{10}{8}$ or $1\frac{1}{5}$ or $\frac{20}{24}$ )

5 $15 \div 4 =$ .......... $+ 3$ ( 12 or $\frac{3}{4}$ or $\frac{4}{3}$ or 3 )

6 The cuboid has .......... faces. ( 6 or 12 or 20 or 8 )

7 The volume of a rectangular prism of dimensions 2m , 5m and 6m is ............ .

($30\ m^3$ or $40\ m^3$ or $50\ m^3$ or $60\ m^3$)

## Second: Complete the following:

1 If $\frac{1}{2} + a = \frac{5}{10}$, then a = ............

2 $2\frac{5}{6} - 1\frac{2}{3} =$ ............

3 If $2\frac{1}{6} = \frac{x}{6}$, then X = ............

4 The measure of the central angle of circular sector that represents $\frac{1}{4}$ of the circle is ............ .

5 A rectangular prism whose volume is $24\ cm^3$ and its height is 3 cm, then its base area = ............ $cm^2$

6 The equilateral triangle is a triangle whose sides are ............ .

7 $\frac{1}{4} \div 5 =$ ............

8 $\frac{3}{5} \times 4 =$ ............

## Third: Choose the correct answer:

1 Which of the following point is located on Y-axis?

( (1 , 0) or (0 , 1) or (1 , 1) or (7 , 0) )

2 $3\frac{1}{2} + 2\frac{1}{3} =$ ............ ( $5\frac{5}{6}$ or $5\frac{2}{5}$ or $\frac{6}{2} + \frac{6}{2}$ or $\frac{38}{3}$ )

3 $\frac{3}{7} + \frac{2}{7} -$ ............ $= \frac{1}{7}$ ( $\frac{6}{7}$ or $\frac{2}{7}$ or $\frac{1}{7}$ or $\frac{4}{7}$ )

4 $12 \times \frac{3}{4} =$ ............ ( 12 or 9 or $\frac{12}{4}$ or 18 )

5 If 8 ÷ m = 24, then m = ............ ( 3 or $\frac{1}{3}$ or $1\frac{1}{3}$ or 32 )

6 The simplest form of $\frac{24}{36}$ is ........ . $(\frac{12}{18}$ or $\frac{6}{9}$ or $\frac{8}{12}$ or $\frac{2}{3})$

7 $4\frac{2}{3} \times \frac{2}{7} =$ ........ $(\frac{1}{3}$ or $1$ or $1\frac{1}{3}$ or $3)$

## Fourth: Answer each of the following:

ⓐ A mosque has a window that is $1\frac{1}{2}$ meter wide and $2\frac{1}{2}$ meters long. What's the perimeter of the window in meter?

.................................................................................................

ⓑ **Write the order pair of each of the following points using the following grid:**



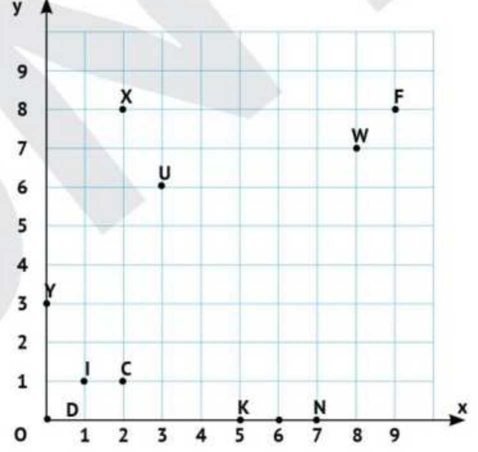
1 W = ........ 2 Y = ........

3 N = ........ 4 F = ........

5 C = ........ 6 X = ........

7 K = ........ 8 U = ........

9 I = ........

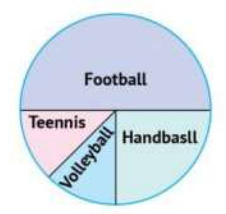



ⓒ **In the opposite pie charts:**

1 The fraction of football is ........ .

2 The fraction of tennis is ........ .

3 The fraction of handball is ........ .



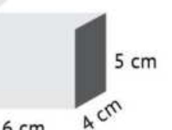

ⓓ Mona likes chocolate. One day she bought a chocolate and ate $\frac{2}{9}$ of it in the morning and $\frac{2}{3}$ in the evening. How many parts of the chocolate has she eaten?

She ate = ................................................................................................ .

# Exam 4

## First: Choose the correct answer:

1. $\frac{5}{15}$ ☐ $\frac{1}{3}$ ( > or < or = or otherwise )
2. $\frac{3}{7}+\frac{4}{7}=$ .......... ( $\frac{7}{14}$ or 1 or $\frac{34}{77}$ or $1\frac{7}{7}$ )
3. In the equilateral triangle, the side lengths are .......... .
   ( 3 , 4 , 5cm or 4 , 4 , 5 cm or 4 , 4 , 4 cm or 3 , 2 , 4 cm )
4. 120 seconds = .......... minutes ( 1 or 2 or 3 or 4 )
5. $3 \div \frac{1}{5}=$ .......... ( $\frac{3}{5}$ or $\frac{1}{15}$ or 15 or $\frac{5}{3}$ )
6. The volume of the opposite rectangular prism
   = .......... $cm^3$




   ( 15 or 120 or $\frac{6}{5 \times 4}$ or 6 + 5 - 4 )
7. The LCM of denominators of $\frac{7}{9}$ and $\frac{5}{18}$ is .......... . ( 12 or 36 or 18 or 6 )

## Second: Complete the following:

1. The Y-coordinate of the origin point is .......... .
2. Volume of cuboid = .......... × .......... × ..........
3. .......... $+ 2\frac{5}{14} = 4\frac{3}{7}$
4. The right angled-triangle has two acute angles and .......... right angle.
5. $3\frac{1}{2} + 2\frac{1}{5} =$ .......... .
6. In △ ABC, AB = 5cm, BC = 7cm, AC = 3cm, then the type of the triangle according to the length of its sides is .......... .
7. If $\frac{1}{2} \div 5 = x$, then x = .......... .
8. Using the benchmarks, $\frac{5}{6}$ is estimated as .......... .

## Third: Choose the correct answer:

1. If AB = BC = AC , then the triangle ABC is ............ triangle.
   (equilateral or isosceles or scalene or right angled )
2. The smallest common denominator of $\frac{2}{3}$ and $\frac{2}{5}$ is ............ .
   ( 2 or 15 or 30 or 35 )
3. The number of fifths in 1 is ............ . ( 1 or 2 or 5 or 6 )
4. The point ............ lies on X-axis . (( 0 , 5 ) , ( 5 , 0 ) ,( 1 , 5 ), ( 5 , 1 ))
5. If $\frac{1}{3} \div 3 = x$, then x = ............ . ( 14 or 0 or $\frac{1}{9}$ or 1 )
6. The scalene triangle has ............ sides. ( 0 or 1 or 2 or 3 )
7. The mixed number $8\frac{1}{4}$ can be regrouped as ............ .
   ( $3 + \frac{1}{4}$ or $4\frac{1}{3}$ or $7\frac{5}{4}$ or $\frac{13}{4}$ )

## Fourth: Answer each of the following:

a. How many $\frac{1}{4}$ cup are there in 7 cups of chocolate?

............ .

b. Yasser ate $1\frac{1}{4}$ kg of fruits, Mona ate $\frac{2}{5}$ kg. Find what Yasser and Mona ate together.

............ .

c. The price of each pen is $2\frac{1}{2}$ pounds. Find the price of 6 pens.

............ .

d. **Using the opposite coordinate plane:**

1. Graph the figure ABCD where A(2 , 8) , B ( 2 , 4 ) , C ( 6 , 4 ) , D ( 6 , 8 )
2. What is the length of $\overline{AD}$?

............ .

# Exam 5

## First: Choose the correct answer:

1. $\frac{5}{6} + \frac{3}{7}$ is estimated as ........ . ( $1 + 1$ or $\frac{1}{2} + \frac{1}{2}$ or $1 + 0$ or $1 + \frac{1}{2}$ )
2. $14 \div 5 =$ ........ $+ 2$ ( $\frac{2}{5}$ or $\frac{3}{5}$ or $\frac{4}{5}$ or $\frac{1}{5}$ )
3. $\frac{2}{3} + \frac{5}{6} =$ ........ ( $1\frac{1}{2}$ or $\frac{7}{9}$ or $\frac{4}{3}$ or $\frac{11}{6}$ )
4. The polygon which has 3 sides is called ........ .

   ( square or quadrilateral or triangle or hexagon )
5. $\frac{4}{5} - \frac{3}{8} =$ ........ ( $\frac{17}{40}$ or $\frac{31}{40}$ or $\frac{6}{40}$ or $\frac{5}{13}$ )
6. $1\frac{1}{5} \times$ ........ $= 1$ ( $5$ or $\frac{5}{4}$ or $\frac{5}{6}$ or $\frac{6}{5}$ )
7. $5\frac{1}{2} + 3\frac{1}{5} =$ ........ ( $8\frac{2}{7}$ or $8\frac{7}{10}$ or $8\frac{1}{2}$ or $8\frac{2}{5}$ )

## Second: Complete the following:

1. $\frac{1}{4}$ year = ........ months
2. $2\frac{1}{4} \times \frac{2}{3} =$ ........
3. $\frac{22}{7}$ is equivalent to ........ (mixed number)
4. If $x + 1\frac{7}{5} = 3\frac{8}{5}$, then x = ........ .
5. $\frac{3}{4} \times 4 =$ ........
6. $\frac{3}{7} = \frac{\dots}{14}$
7. $\frac{1}{7} \times 1\frac{3}{4} =$ ........
8. The measure of the central angle of the circular sector that represents $\frac{1}{8}$ of the circle = ........ .

Revision

## Third: Choose the correct answer:

1. $1 - \ldots\ldots = \frac{3}{9}$ ($\frac{1}{9}$ or $\frac{3}{9}$ or $\frac{6}{9}$ or $\frac{4}{9}$)

2. $5\frac{5}{8} - 3\frac{2}{8} = \ldots\ldots$ ($3\frac{2}{8}$ or $2\frac{3}{8}$ or $1\frac{5}{8}$ or $3\frac{2}{8}$)

3. $\frac{1}{6}$ day = ........ hours (3 or 4 or 5 or 6)

4. Any triangle has at least ........ acute angles. (0 or 1 or 2 or 3)

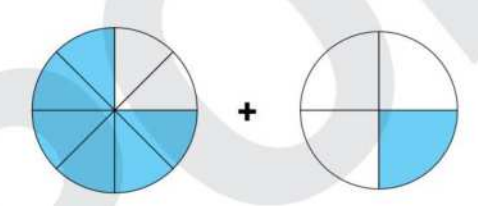
5. The simplest form of $\frac{15}{27}$ is ........ . ($\frac{2}{9}$ or $\frac{3}{6}$ or $\frac{5}{9}$ or $\frac{1}{6}$)

6. $\frac{3}{8} \times \frac{5}{\ldots} = \frac{15}{56}$ (5 or 6 or 7 or 8)

7. $4 \div \frac{1}{2} = \ldots\ldots$ (2 or 1 or 4 or 8)

## Fourth: Answer each of the following:

**a** **Find:**




........................................................................ .

**b** A piece of ribbon is $\frac{9}{15}$ m long. A piece of $\frac{2}{15}$ m is cut from it. What is the fraction of the remaining ribbon?

........................................................................ .

**c** How many halves are there in 9 whole?

........................................................................ .

**d** Amal studied maths for $3\frac{1}{2}$ hours and science for $2\frac{1}{4}$ hours. How many hours did Amal study in all?

........................................................................ .

# Exam 6

## First: Choose the correct answer:

1. $\frac{5}{6} + \frac{1}{7}$ is estimated as ………… . ( $1 + 1$ or $\frac{1}{2} + \frac{1}{2}$ or $1 + 0$ or $1 + \frac{1}{2}$ )
2. The triangle whose measures of angles are $40^0$, $50^0$, and ………… is right- angled triangle. ( $50^0$ or $40^0$ or $90^0$ or $180^0$ )
3. The fraction $\frac{2}{4}$ is equivalent to ………… . ( $\frac{12}{14}$ or $\frac{6}{12}$ or $\frac{6}{7}$ or $\frac{20}{45}$ )
4. $3\frac{1}{2}$ year = ………… months ( 42 or 40 or 36 or 88 )
5. $2\frac{1}{4} \times \frac{2}{3} =$ ………… ( $\frac{3}{2}$ or $1\frac{3}{4}$ or $\frac{8}{2}$ or $\frac{9}{6}$ )
6. $\frac{1}{7} \div 3 =$ ………… ( 6 or 21 or $3\frac{2}{21}$ or $\frac{1}{21}$ )
7. The point ( 6 , 0 ) lies on ………… .
   (X-axis or Y-axis or origin point or otherwise )

## Second: Complete the following:

1. $\frac{1}{2} + \frac{2}{5} =$ ………… .
2. $x + 5\frac{1}{2} = 7\frac{3}{4}$, then x = ………… .
3. $4 \times \frac{3}{5} =$ ………… .
4. If the side lengths of a triangle are different, then the triangle is called ………… triangle.
5. If $4\frac{1}{5} = 3\frac{a}{5}$, then a = ………… .
6. If $3\frac{2}{5} + k = 6\frac{1}{5}$, then k = ………… .
7. A rectangular prism whose base area 15 $cm^2$ and height 10 cm, then its volume = ………… $cm^3$.

## Third: Choose the correct answer:

1. If $\frac{4}{7} \times n = \frac{4}{7}$, then n = .................... . ( 1 or $\frac{3}{7}$ or 2 or $\frac{8}{7}$ )

2. $5\frac{1}{4}$ years = .................... months ( 25 or 63 or 88 or 24 )

3. If AB = BC = AC, then the triangle ABC is .................... .
( equilateral or scalene or right or isosceles )

4. Simplest form of $\frac{16}{24}$ is .................... . ( $\frac{2}{3}$ or $\frac{5}{8}$ or $\frac{6}{5}$ or $\frac{10}{5}$ )

5. $3\frac{1}{2} - 1\frac{2}{3}$ = .................... ( $1\frac{1}{3}$ or $2\frac{5}{6}$ or $1\frac{5}{6}$ or $2\frac{4}{5}$ )

6. The origin point is .................... . ( ( 1 ,0 ) or ( 0 , 2 ) or ( 0 , 1 ) or ( 0 , 0 ) )

7. $5\frac{6}{7} - 2\frac{1}{11}$ can estimate as .................... . ( 5 or 8 or 2 or 6 )

## Fourth: Answer each of the following:

a. Mohamed studied Maths for $1\frac{1}{3}$ hours and science for 90 minutes. How many minutes did Mohamed study in all?

..........................................................................................

..........................................................................................

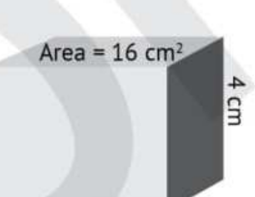
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b. Draw a rectangle with dimensions $3\frac{1}{2}$ units X 2 units, then calculate its area ..........................................................................................

c. If the price of each pen is $2\frac{1}{2}$ pounds. Find the price of 6 pens.

..........................................................................................

d. **Find the volume of the opposite figure:**




..........................................................................................

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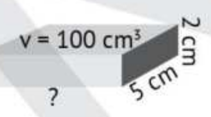
# Exam 7

## First: Choose the correct answer:

1. $\frac{5}{7} - \text{.........} = \frac{1}{7}$ ($\frac{1}{7}$ or $\frac{4}{7}$ or $\frac{5}{7}$ or $\frac{6}{7}$)
2. $\frac{5}{8} + \text{.........} = \frac{3}{4} + \frac{1}{4}$ ($\frac{3}{8}$ or $\frac{3}{4}$ or $\frac{1}{4}$ or $1$)
3. $\frac{8}{32} = \frac{4}{\text{....}}$ ( 10 or 12 or 16 or 6 )
4. 90 seconds = ......... minutes ( 90 or $1\frac{1}{4}$ or $1\frac{1}{2}$ or $1\frac{1}{3}$)
5. $8\frac{3}{5} + 1\frac{1}{12}$ estimated as ......... ( 9 or $9\frac{1}{2}$ or 10 or $8\frac{1}{2}$)
6. $\frac{1}{5} \div 3 = \text{.........}$ ($\frac{1}{15}$ or 15 or $3\frac{1}{15}$ or 8 )
7. $4\frac{1}{4} = \text{.........}$ ($\frac{3}{4}$ or $\frac{5}{4}$ or $\frac{17}{4}$ or $\frac{16}{4}$)

## Second: Complete the following:

1. The y - coordinate of ( 3,8 ) is ......... .
2. $1\frac{3}{7} \times \text{.........} = 1$
3. The origin point is ( ......... , ......... )
4. $\frac{1}{6} + \frac{2}{3} = \text{.........}$
5. $2\frac{1}{5} + Y = 3\frac{1}{4}$, then Y = ......... .
6. $\frac{1}{4}$ year = ......... months
7. The missing dimension in the opposite rectangular prism is ......... .




8. $\frac{1}{3} \times 1\frac{1}{8} = \text{.........}$

## Third: Choose the correct answer:

1. The common denominators of $\frac{3}{7}, \frac{1}{2}$ is ........ . ( 7 or 2 or 72 or 14 )

2. The triangle whose side lengths are ........ is isosceles triangle.
( 4,5,3 cm or 4,4,5 cm or 3,5,6 cm or 2,3,4 cm )

3. $2\frac{1}{7} + 5\frac{1}{2} =$ ........ ( $7\frac{2}{9}$ or $3\frac{9}{14}$ or $7\frac{9}{14}$ or $1\frac{1}{7}$ )

4. $\frac{1}{5} \div 4 =$ ........ ( $\frac{4}{5}$ or $\frac{5}{4}$ or 20 or $\frac{1}{20}$ )

5. $\frac{3}{7} \times 8 =$ ........ ( $\frac{8}{3} \times 7$ or $\frac{6}{7} \times 4$ or $\frac{5}{7} \times 6$ or $\frac{24}{8} \times 7$ )

6. $3\frac{2}{5} =$ ........ ( $\frac{3}{5}$ or $\frac{17}{5}$ or $\frac{15}{5}$ or $\frac{11}{5}$ )

7. $\frac{3}{5} \times \frac{5}{3} =$ ........ ( $\frac{15}{3}$ or $\frac{5}{3}$ or $\frac{8}{8}$ or 1 )

## Fourth: Answer each of the following:

a. Islam spent $\frac{1}{4}$ of his Sunday doing homework and $\frac{1}{10}$ of the day watching cricket. What part of the day was left to do other things?

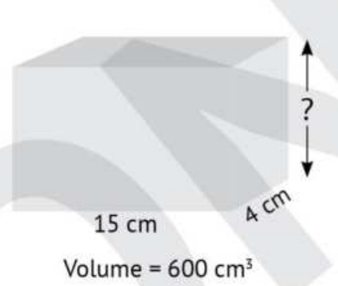
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b. How many sevenths are in the 5 ?

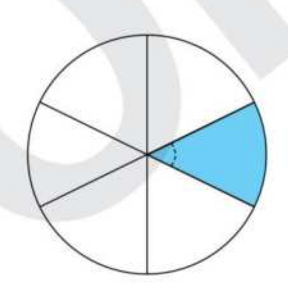
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c. **Find the missing dimension of the opposite figure:**

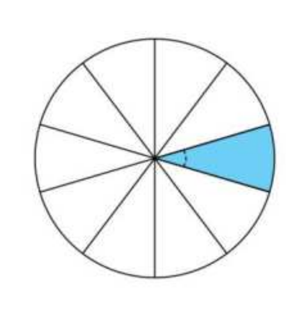




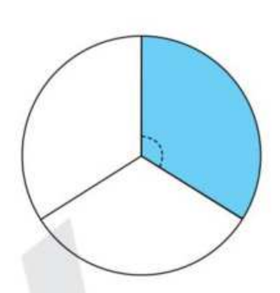
**d** **Find the measure of the central angle that represent each of the following sectors:**



1



2



3

................ ................ ................

# Exam 8

**First:** **Choose the correct answer:**

1 The LCM of denominators of $\frac{1}{2}$ and $\frac{3}{10}$ is ................ .

( 1 or 2 or 3 or 10 )

2 $\frac{6}{7}$ – ................ $\frac{1}{7}$ = 1 ( $\frac{1}{7}$ or $\frac{4}{7}$ or $\frac{5}{7}$ or $\frac{6}{7}$ )

3 The x-coordinate of the origin point is ................ . ( 0 or 1 or 2 or 3 )

4 $16 \times \frac{7}{4}$ = ................ . ( 5 or 17 or 28 or 30 )

5 The length of the rectangular prism = ................ .

( L x W x h or $\frac{V}{w \times h}$ or $\frac{\text{base area}}{h}$ or w x h)

6 In △ ABC , AB = BC = 7 cm and AC = 4cm, then the triangle is ................ .

( equilateral or isosceles or scalene or right )

7 How many ninths are there in 8 ? ( 9 ÷ 8 or 9 x 8 or 9 + 8 or 9 – 8 )

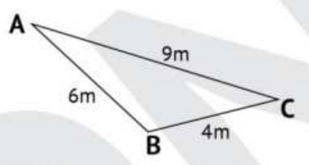
Revision

## Second: Choose the correct answer:

1. $\frac{1}{3}$ an hour = ........ minutes
2. $15 \times 1\frac{1}{3}$ = ........
3. The simplest form of $\frac{12}{18}$ is ........
4. If $3\frac{1}{5} = 2\frac{x}{5}$, then x = ........
5. $\frac{5}{6} + \frac{11}{10}$ is estimated as ........
6. If $\frac{5}{8} = \frac{n}{40}$, then n = ........
7. If $2\frac{1}{4}$ + b = $3\frac{1}{4}$, then b = ........
8. $4\frac{2}{7} \times \frac{1}{3}$ = ........

## Third: Choose the correct answer:

1. Which of the following is not equivalent to $\frac{15}{20}$ ? ........ . ( $\frac{3}{4}$ or $\frac{30}{40}$ or $\frac{25}{100}$ or $\frac{9}{12}$ )
2. $\frac{2}{3} + \frac{5}{6}$ = ........ ( $1\frac{1}{2}$ or $\frac{7}{9}$ or $\frac{4}{3}$ or $\frac{11}{6}$ )
3. $1\frac{5}{4} - 1\frac{1}{20}$ = ........ ( $\frac{17}{20}$ or $\frac{4}{3}$ or $\frac{3}{4}$ or $1\frac{1}{5}$ )
4. $\frac{3}{4}$ year = ........ month ( 3 or 6 or 9 or 12 )
5. The opposite triangle is ........




( equilateral , scalene , isosceles , acute )

6. $\frac{1}{4} \times \frac{6}{7}$ = ........ ( $\frac{1}{14}$ or $\frac{1}{7}$ or $\frac{3}{14}$ or $\frac{2}{7}$ )
7. 8 ÷ v = 24, then v = ........ . ( 3 or $\frac{1}{3}$ or $1\frac{1}{3}$ or 32 )

## Fourth: Answer the following:

a) Hana studies Maths for $1\frac{1}{2}$ hours and Science for $2\frac{1}{2}$ hours.

How many hours did Hana study?

.......................................................................................................

b) The price of each book is $4\frac{1}{3}$ LE. Find the price of 9 books.

.......................................................................................................

c) Judy had $10\frac{1}{2}$ LE in her pocket and $15\frac{3}{4}$ LE in her bank.

How much money did she have?

.......................................................................................................

d) Which is greater in volume?

A rectangular prism of dimensions 7 cm, 5 cm and 3 cm, or a rectangular prism whose base area = 15 cm and its height = 6 cm

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# PONY

# MATH

## Answer

By:
Mr. Mahmoud ELkholy










# Answer

## Exam 1

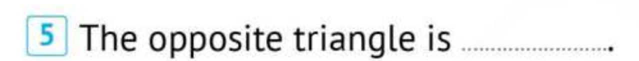
**First:** **Choose the correct answer:**

1. $\frac{15}{18}$ = ............ (in the simplest form) ( $\frac{1}{6}$ or $\frac{5}{6}$ or $\frac{3}{5}$ or $\frac{1}{2}$ )

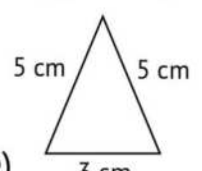
2. $\frac{5}{8} - \frac{1}{2}$ = ............ ( 1 or $\frac{2}{3}$ or $1\frac{1}{8}$ or $\frac{1}{8}$ )

3. Estimating $13\frac{7}{8} - 6\frac{2}{5}$ = ............ ( $6\frac{1}{2}$ or $8\frac{1}{4}$ or $7\frac{1}{2}$ or $8\frac{1}{2}$ )

4. The mixed number $2\frac{1}{7}$ can be regrouped as ............ .
( $1\frac{8}{2}$ or $2\frac{8}{7}$ or $1\frac{1}{14}$ or $1\frac{7}{8}$ )



5. The opposite triangle is ............ .
(equilateral or isosceles or scalene or obtuse)




6. 150 minutes = ............ hours, ............ minutes.
(1,30 or 1,50 or 2,30 or 3,20)

7. A rectangular prism with dimensions 6cm, 5cm and 4cm, then its volume = ............ $cm^3$. (150 or 120 or 300 or 110)

**Second:** **Complete the following:**

1. If $\frac{1}{2}$ + a = $\frac{5}{6}$, then a = ...... $\frac{2}{6}$ or $\frac{1}{3}$ ...... .

2. The x-coordinate of ( 2 , 5 ) is: ...... 2 ...... .

3. In the equilateral triangle LMN, LM = MN = 5cm. ,then LN = ...5... cm.

4. $6\frac{2}{3}$ - ...$2\frac{1}{6}$... = $4\frac{1}{2}$

5. Base area × height = ...volume... .

6. The area of a rectangle whose dimensions are 4 and 9 cm = ............ ...36... $cm^2$.

7 $\frac{1}{7} \div 4 =$ ..... $\frac{1}{28}$ ....

8 The point ...... ( 0,0 ) ...... is called the origin point.

## Third: Choose the correct answer:

1 If $\frac{1}{3} \div a = \frac{1}{6}$, then a = ........................ ( 3 or $\frac{1}{2}$ or 2 or $\frac{1}{3}$ )

2 $4\frac{1}{2} \times \frac{2}{3} =$ ........................ ( 3 or $8\frac{1}{2}$ or $5\frac{2}{3}$ or $\frac{17}{6}$ )

3 $\frac{3}{7} - \frac{1}{3} =$ ........................ ( $\frac{2}{21}$ or $\frac{1}{7}$ or $\frac{4}{10}$ or $\frac{31}{7}$ )

4 Which of the following is underestimate?

( $\frac{4}{7} + \frac{5}{8}$ is about 1 or $\frac{4}{5} + \frac{7}{8}$ is about 2 or $\frac{3}{7} - \frac{4}{10}$ is about 1 or $\frac{6}{7} - \frac{5}{6}$ is about 2 )

5 How many fifths are there in 7 ? ( 5 ÷ 7 or 5 × 7 or 5 + 7 or 7 − 5 )

6 Length of a cuboid = ........................

( L × W × h or $\frac{V}{W \times h}$ or $\frac{\text{base area}}{h}$ or W × h )

7 $1\frac{1}{2}$ day = ........................ hours ( $\frac{3}{2}$ or 24 or 36 or $\frac{2}{3}$ )

## Fourth: Answer the following:

a Kareem walked $2\frac{1}{5}$ km, and Sameh walked $1\frac{1}{2}$ more. What is the distance that Sameh walked?

Sameh Walked

$= 2\frac{1}{5} + 1\frac{1}{2} = 2\frac{2}{10} + 1\frac{5}{10} = 3\frac{7}{10}$ Km

b A cuboid whose volume is 30 cm³ and the length of its base is 5 cm and its width is 2 cm. Find the height of the cuboid?

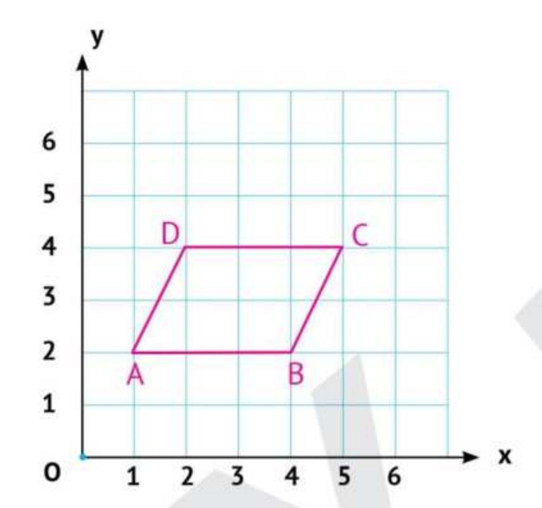
$H = \frac{V}{L \times W} = \frac{30}{2 \times 5} = 3$ Cm

**c** Using the opposite coordinate plane:

1 Graph the figure ABCD where A ( 1 , 2 ), B ( 4 , 2 ), C ( 5 , 4 ), and D ( 2 , 4 )

2 What is the length of DC?

D C = 3 Cm




**d** Hany collected $5\frac{1}{2}$ kilograms of honey.

He gave his brother $2\frac{1}{4}$ kg of them. How many kg are left?

the left = $5\frac{1}{2} - 2\frac{1}{4} = 5\frac{2}{4} - 2\frac{1}{4} = 3\frac{1}{4}$ Kg

# Exam 2

## First: Choose the correct answer:

1 $1 - \frac{3}{4} =$ ........ ( $\frac{3}{4}$ or $\frac{4}{4}$ or $\frac{1}{4}$ or $\frac{2}{4}$ )

2 $\frac{1}{4}$ of a year = ........ months ( 3 or 4 or 6 or 12 )

3 If $\frac{1}{2} \div 3 = x$, then x = ........ ( $1\frac{1}{2}$ or $\frac{1}{6}$ or 6 or $\frac{2}{3}$ )

4 The Y–coordinate in the order pair ( 1 , 8 ) is ........ .

( 1 or 8 – 1 or 1 + 8 or 8 )

5 If $17 \div 8 = a\frac{1}{8}$, then a = ........ .

( 2 or 17 or 8 or 1 )

6 Any triangle has at least ........ acute angles. ( 3 or 4 or 2 or 5 )

7 A cuboid whose volume 60 cm 3 its height 5 cm, then its base area = ........

cm$^2$. (300 or 65 or 55 or 12)

## Second: Complete the following:

1. $\frac{24}{28} = \frac{6}{7}$
2. $1\frac{3}{7} \times$ ...... $\frac{7}{10}$ ...... $= 1$
3. The LCM of denominators of fractions $\frac{1}{3}$ and $\frac{2}{7}$ is ...... 21 .......
4. In $\triangle$ ABC , AB = BC = 7 cm and AC = 4 cm, then the type of the triangle according to the length of its sides is ...... isosceles triang le .......
5. $7\frac{3}{8} +$ ...... $2\frac{7}{8}$ ...... $= 10\frac{1}{4}$
6. Volume of cuboid = base area × ...... height .......
7. The triangle is a polygon that has ...... 3 ...... sides and ...... 3 ...... angles.
8. $2\frac{5}{7} \times \frac{1}{5} =$ ...... $\frac{19}{35}$ ......

## Third: Choose the correct answer:

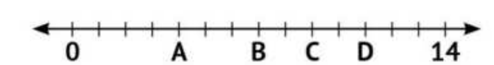
1. $\frac{3}{4} + \frac{1}{2} =$ .......... ($\frac{4}{6}$ or $\frac{3}{8}$ or $\frac{1}{4}$ or $1\frac{1}{4}$)
2. Area of rectangle = .......... × W ( W or h or L or Base area )
3. $5\frac{1}{6} + 2\frac{4}{5}$ is estimate as .......... . ( 5 + 2 or 6 + 4 or 5 + 3 or 6 + 3 )
4. The number of thirds in 1 is .......... . ( 1 or 3 or 2 or $\frac{1}{3}$ )
5. $2\frac{1}{7} + 5\frac{1}{2} =$ .......... ( $5\frac{1}{2}$ or $3\frac{9}{14}$ or $7\frac{9}{14}$ or $1\frac{4}{7}$ )
6. The isosceles triangle has .......... sides. (8 or 3 or 6 or 2)
7. $6 \div \frac{1}{3} =$ .......... ( $\frac{1}{18}$ or 2 or $\frac{1}{2}$ or 18 )

## Fourth: Answer each of the following:

a. A factory's staff is $\frac{5}{8}$ females. How much of the staff is male?

$1 - \frac{5}{8} = \frac{3}{8}$ of the staff is male.

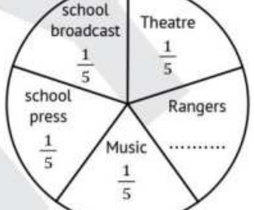
**b Use the number line to answer the questions:**




1. What is the value of C? ....9....
2. What is the value of D? ....11....
3. What is the value of A? ....4....
4. How far is point B from D? ....4....
5. How far is point C from A? ....5....

**c** The following figure shows the favorite hobbies for the pupils of one of classes in the fifth primary.

What is the fraction of rangers with respect to all hobbies?




$1 - (\frac{1}{4} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}) = \frac{3}{20}$.

**d** Mona took $2\frac{1}{3}$ hours to paint a table and $5\frac{1}{2}$ hours paint a chair. How much time did she take in all?

she took in all $= 2\frac{1}{3} + 5\frac{1}{2} = 3\frac{2}{6} + 5\frac{3}{6} = 8\frac{5}{6}$ hours.

# Exam 3

## First: Choose the correct answer:

1. The fraction $5\frac{3}{7}$ by regrouping is .................. . ( $5\frac{10}{7}$ or $4\frac{10}{7}$ or $3\frac{10}{7}$ or $\frac{38}{3}$ )
2. $3\frac{3}{4} \times \frac{1}{3} =$ .................. ( 15 or $1\frac{1}{8}$ or 20 or $\frac{1}{8}$ )
3. $2\frac{1}{2}$ hours = .................. minutes ( 120 or 140 or 150 or 160 )
4. Which of the following is equivalent to $\frac{5}{6}$ ? .................. ( $\frac{15}{16}$ or $\frac{10}{8}$ or $1\frac{1}{5}$ or $\frac{20}{24}$ )
5. $15 \div 4 =$ .................. $+ 3$ ( 12 or $\frac{3}{4}$ or $\frac{4}{3}$ or 3 )

6 The cuboid has ........ faces. (6 or 12 or 20 or 8)

7 The volume of a rectangular prism of dimensions 2m , 5m and 6m is ........ .

($30\ m^3$ or $40\ m^3$ or $50\ m^3$ or $60\ m^3$)

## Second: Complete the following:

1 If $\frac{1}{2} + a = \frac{5}{10}$, then a = ........ 0 ........

2 $2\frac{5}{6} - 1\frac{2}{3} =$ ........ $1\frac{1}{6}$ ........

3 If $2\frac{1}{6} = \frac{x}{6}$, then X = ........ 13 ........

4 The measure of the central angle of circular sector that represents $\frac{1}{4}$ of the circle is ........ 90° ........ .

5 A rectangular prism whose volume is $24\ cm^3$ and its height is 3 cm, then its base area = ........ 8 ........ $cm^2$

6 The equilateral triangle is a triangle whose sides are .... equal in length ........

7 $\frac{1}{4} \div 5 =$ ........ $\frac{1}{20}$ ........

8 $\frac{3}{5} \times 4 =$ .... $\frac{12}{5} = 2\frac{2}{5}$ ....

## Third: Choose the correct answer:

1 Which of the following point is located on Y-axis?

( (1 , 0) or (0 , 1) or (1 , 1) or (7 , 0) )

2 $3\frac{1}{2} + 2\frac{1}{3} =$ ........ ( $5\frac{5}{6}$ or $5\frac{2}{5}$ or $\frac{6}{2} + \frac{6}{2}$ or $\frac{38}{3}$ )

3 $\frac{3}{7} + \frac{2}{7} -$ ........ $= \frac{1}{7}$ ( $\frac{6}{7}$ or $\frac{2}{7}$ or $\frac{1}{7}$ or $\frac{4}{7}$ )

4 $12 \times \frac{3}{4} =$ ........ ( 12 or 9 or $\frac{12}{4}$ or 18 )

5 If $8 \div m = 24$, then m = ................ ( $3$ or $\frac{1}{3}$ or $1\frac{1}{3}$ or $32$ )

6 The simplest form of $\frac{24}{36}$ is ................ ( $\frac{12}{18}$ or $\frac{6}{9}$ or $\frac{8}{12}$ or $\frac{2}{3}$ )

7 $4\frac{2}{3} \times \frac{2}{7} =$ ................ ( $\frac{1}{3}$ or $1$ or $1\frac{1}{3}$ or $3$ )

## Fourth: Answer each of the following:

ⓐ A mosque has a window that is $1\frac{1}{2}$ meter wide and $2\frac{1}{2}$ meters long. What's the perimeter of the window in meter?

................ $p = (1\frac{1}{2} + 2\frac{1}{2}) \times 2 = 4 \times 2 = 8$ m ................

ⓑ **Write the order pair of each of the following points using the following grid:**



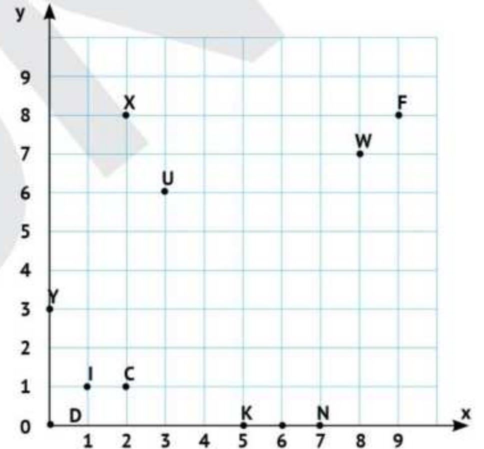
1 W = ..... ( 8,7 ) .....  2 Y = ..... ( 0,3 ) .....

3 N = ..... ( 7,0 ) .....  4 F = ..... ( 9,8 ) .....

5 C = ..... ( 2,1 ) .....  6 X = ..... ( 2,8 ) .....

7 K = ..... ( 5,0 ) .....  8 U = ..... ( 3,6 ) .....

9 I = ..... ( 1,1 ) .....

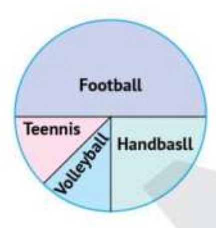



ⓒ **In the opposite pie charts:**

1 The fraction of football is ....... $\frac{1}{2}$ ....... .

2 The fraction of tennis is ....... $\frac{1}{8}$ ....... .

3 The fraction of handball is ....... $\frac{1}{4}$ ....... .



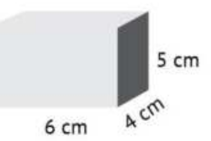

ⓓ Mona likes chocolate. One day she bought a chocolate and ate $\frac{2}{9}$ of it in the morning and $\frac{2}{3}$ in the evening. How many parts of the chocolate has she eaten?

She ate = ................ $\frac{2}{9} + \frac{2}{3} = \frac{2}{9} + \frac{6}{9} = \frac{8}{9}$ of chocoate ................

# Exam 4

**First: Choose the correct answer:**

1. $\frac{5}{15}$ ...... $\frac{1}{3}$ ( > or < or = or otherwise )
2. $\frac{3}{7} + \frac{4}{7} =$ ............ ( $\frac{7}{14}$ or 1 or $\frac{34}{77}$ or $1\frac{7}{7}$ )
3. In the equilateral triangle, the side lengths are ............ .
   ( 3 , 4 , 5cm or 4 , 4 , 5 cm or 4 , 4 , 4 cm or 3 , 2 , 4 cm )
4. 120 seconds = ............ minutes ( 1 or 2 or 3 or 4 )
5. $3 \div \frac{1}{5} =$ ............ ( $\frac{3}{5}$ or $\frac{1}{15}$ or 15 or $\frac{5}{3}$ )
6. The volume of the opposite rectangular prism
   = ............ $cm^3$




   ( 15 or 120 or $\frac{6}{5 \times 4}$ or 6 + 5 - 4 )
7. The LCM of denominators of $\frac{7}{9}$ and $\frac{5}{18}$ is ............ . (12 or 36 or 18 or 6 )

**Second: Complete the following:**

1. The Y-coordinate of the origin point is ......0...... .
2. Volume of cuboid = ......length ...... × ......width ...... × ......heigth ......
3. ......$2\frac{1}{14}$...... + $2\frac{5}{14} = 4\frac{3}{7}$
4. The right angled-triangle has two acute angles and ......one ...... right angle.
5. $3\frac{1}{2} + 2\frac{1}{5} =$ ......$5\frac{7}{10}$...... .
6. In △ ABC, AB = 5cm, BC = 7cm, AC = 3cm, then the type of the triangle according to the length of its sides is ......scalene ...... .
7. If $\frac{1}{2} \div 5 = x$, then x = ......$\frac{1}{10}$...... .
8. Using the benchmarks, $\frac{5}{6}$ is estimated as ......1 ...... .

Revision

## Third: Choose the correct answer:

1. If AB = BC = AC , then the triangle ABC is ........ triangle.
   (equilateral or isosceles or scalene or right angled )
2. The smallest common denominator of $\frac{2}{3}$ and $\frac{2}{5}$ is ........ .
   ( 2 or 15 or 30 or 35 )
3. The number of fifths in 1 is ........ . ( 1 or 2 or 5 or 6 )
4. The point ........ lies on X-axis . (( 0 , 5 ) , ( 5 , 0 ) ,( 1 , 5 ), ( 5 , 1 ))
5. If $\frac{1}{3} \div 3 = x$, then x = ........ . ( 14 or 0 or $\frac{1}{9}$ or 1 )
6. The scalene triangle has ........ sides. ( 0 or 1 or 2 or 3 )
7. The mixed number $8\frac{1}{4}$ can be regrouped as ........ .
   ( $3 + \frac{1}{4}$ or $4\frac{1}{3}$ or $7\frac{5}{4}$ or $\frac{13}{4}$ )

## Fourth: Answer each of the following:

a) How many $\frac{1}{4}$ cup are there in 7 cups of chocolate?

........ $7 \times 4 = 28$ fourths ........ .

b) Yasser ate $1\frac{1}{4}$ kg of fruits, Mona ate $\frac{2}{5}$ kg. Find what Yasser and Mona ate together.

........ they ate $= 1\frac{1}{4} + \frac{2}{5} = 1\frac{5}{20} + \frac{8}{20} = 1\frac{13}{20}$ hours ........ .

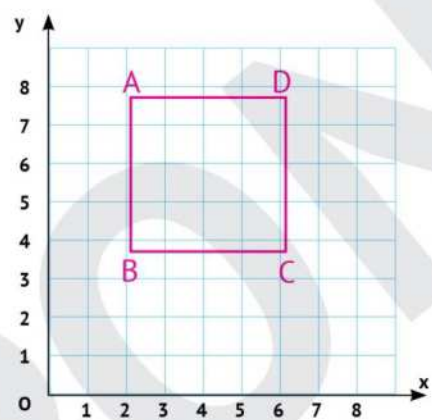
c) The price of each pen is $2\frac{1}{2}$ pounds. Find the price of 6 pens.

........ the price $= 2\frac{1}{2} \times 6 = \frac{5}{2} \times 6 = 15$ pounds ........ .

d) **Using the opposite coordinate plane:**

1. Graph the figure ABCD where A(2 , 8) , B ( 2 , 4 ) , C ( 6 , 4 ) , D ( 6 , 8 )
2. What is the length of $\overline{AD}$?

........ 4 cm ........ .



# Exam 5

## First: Choose the correct answer:

1. $\frac{5}{6} + \frac{3}{7}$ is estimated as ............ . ( $1 + 1$ or $\frac{1}{2} + \frac{1}{2}$ or $1 + 0$ or $1 + \frac{1}{2}$ )
2. $14 \div 5 =$ ............ $+ 2$ ( $\frac{2}{5}$ or $\frac{3}{5}$ or $\frac{4}{5}$ or $\frac{1}{5}$ )
3. $\frac{2}{3} + \frac{5}{6} =$ ............ ( $1\frac{1}{2}$ or $\frac{7}{9}$ or $\frac{4}{3}$ or $\frac{11}{6}$ )
4. The polygon which has 3 sides is called ............ .
   ( square or quadrilateral or triangle or hexagon )
5. $\frac{4}{5} - \frac{3}{8} =$ ............ ( $\frac{17}{40}$ or $\frac{31}{40}$ or $\frac{6}{40}$ or $\frac{5}{13}$ )
6. $1\frac{1}{5} \times$ ............ $= 1$ ( $5$ or $\frac{5}{4}$ or $\frac{5}{6}$ or $\frac{6}{5}$ )
7. $5\frac{1}{2} + 3\frac{1}{5} =$ ............ ( $8\frac{2}{7}$ or $8\frac{7}{10}$ or $8\frac{1}{2}$ or $8\frac{2}{5}$ )

## Second: Complete the following:

1. $\frac{1}{4}$ year = ...... 3 ...... months
2. $2\frac{1}{4} \times \frac{2}{3} =$ ...... $\frac{3}{2} = 1\frac{1}{2}$ ......
3. $\frac{22}{7}$ is equivalent to ...... $3\frac{1}{7}$ ...... (mixed number)
4. If $x + 1\frac{7}{5} = 3\frac{8}{5}$, then $x =$ ...... $2\frac{1}{5}$ ...... .
5. $\frac{3}{4} \times 4 =$ ...... 3 ......
6. $\frac{3}{7} = \frac{6}{14}$
7. $\frac{1}{7} \times 1\frac{3}{4} =$ ...... $\frac{1}{4}$ ......
8. The measure of the central angle of the circular sector that represents $\frac{1}{8}$ of the circle = ...... $\frac{360}{8} = 45°$ ...... .

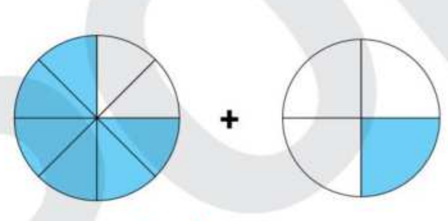
Revision

## Third: Choose the correct answer:

1. $1 - \dots\dots = \frac{3}{9}$ ($\frac{1}{9}$ or $\frac{3}{9}$ or $\frac{6}{9}$ or $\frac{4}{9}$)
2. $5\frac{5}{8} - 3\frac{2}{8} = \dots\dots$ ($3\frac{2}{8}$ or $2\frac{3}{8}$ or $1\frac{5}{8}$ or $3\frac{2}{8}$)
3. $\frac{1}{6}$ day = ........ hours (3 or 4 or 5 or 6)
4. Any triangle has at least ........ acute angles. (0 or 1 or 2 or 3)
5. The simplest form of $\frac{15}{27}$ is ........ . ($\frac{2}{9}$ or $\frac{3}{6}$ or $\frac{5}{9}$ or $\frac{1}{6}$)
6. $\frac{3}{8} \times \frac{5}{\dots} = \frac{15}{56}$ (5 or 6 or 7 or 8)
7. $4 \div \frac{1}{2} = \dots\dots$ (2 or 1 or 4 or 8)

## Fourth: Answer each of the following:

a. **Find:**



........ $= \frac{6}{8} + \frac{1}{4} = 1$ ........ .

b. A piece of ribbon is $\frac{9}{15}$ m long. A piece of $\frac{2}{15}$ m is cut from it. What is the fraction of the remaining ribbon?

........ the remaining $= \frac{9}{15} - \frac{2}{15} = \frac{7}{15}$ m ........ .

c. How many halves are there in 9 whole?

........ $9 \times 2 = 18$ halves ........ .

d. Amal studied maths for $3\frac{1}{2}$ hours and science for $2\frac{1}{4}$ hours. How many hours did Amal study in all?

........ the time $= 3\frac{1}{2} + 2\frac{1}{4} = 3\frac{2}{4} + 2\frac{1}{4} = 5\frac{3}{4}$ hours ........ .

# Exam 6

## First: Choose the correct answer:

1 $\frac{5}{6} + \frac{1}{7}$ is estimated as ........................ . ( $1 + 1$ or $\frac{1}{2} + \frac{1}{2}$ or $1 + 0$ or $1 + \frac{1}{2}$ )

2 The triangle whose measures of angles are $40^0$, $50^0$, and ........................ is right- angled triangle. ( $50^0$ or $40^0$ or $90^0$ or $180^0$ )

3 The fraction $\frac{2}{4}$ is equivalent to ........................ . ( $\frac{12}{14}$ or $\frac{6}{12}$ or $\frac{6}{7}$ or $\frac{20}{45}$ )

4 $3\frac{1}{2}$ year = ........................ months ( 42 or 40 or 36 or 88 )

5 $2\frac{1}{4} \times \frac{2}{3} =$ ........................ ( $\frac{3}{2}$ or $1\frac{3}{4}$ or $\frac{8}{2}$ or $\frac{9}{6}$ )

6 $\frac{1}{7} \div 3 =$ ........................ ( 6 or 21 or $3\frac{2}{21}$ or $\frac{1}{21}$ )

7 The point ( 6 , 0 ) lies on ........................ .

(X-axis or Y-axis or origin point or otherwise )

## Second: Complete the following:

1 $\frac{1}{2} + \frac{2}{5} =$ ....... $\frac{9}{10}$ ........ .

2 $x + 5\frac{1}{2} = 7\frac{3}{4}$, then x = ....... $2\frac{1}{4}$ ..... .

3 $4 \times \frac{3}{5} =$ ....... $\frac{12}{5} = 2\frac{2}{5}$ ........ .

4 If the side lengths of a triangle are different, then the triangle is called ..... scalene ..... triangle.

5 If $4\frac{1}{5} = 3\frac{a}{5}$, then a = ..... 6 ..... .

6 If $3\frac{2}{5} + k = 6\frac{1}{5}$, then k = ..... $2\frac{4}{5}$ ..... .

7 A rectangular prism whose base area 15 $cm^2$ and height 10 cm, then its volume = ............... $15 \times 10 = 150$ $cm^3$.

## Third: Choose the correct answer:

1 If $\frac{4}{7} \times n = \frac{4}{7}$, then n = ........ . ( 1 or $\frac{3}{7}$ or 2 or $\frac{8}{7}$ )

2 $5\frac{1}{4}$ years = ........ months ( 25 or 63 or 88 or 24 )

3 If AB = BC = AC, then the triangle ABC is ........ .

( equilateral or scalene or right or isosceles )

4 Simplest form of $\frac{16}{24}$ is ........ . ( $\frac{2}{3}$ or $\frac{5}{8}$ or $\frac{6}{5}$ or $\frac{10}{5}$ )

5 $3\frac{1}{2} - 1\frac{2}{3} =$ ........ ( $1\frac{1}{3}$ or $2\frac{5}{6}$ or $1\frac{5}{6}$ or $2\frac{4}{5}$ )

6 The origin point is ........ . ( ( 1 ,0 ) or ( 0 , 2 ) or ( 0 , 1 ) or ( 0 , 0 ) )

7 $5\frac{6}{7} - 2\frac{1}{11}$ can estimate as ........ . ( 5 or 8 or 2 or 6 )

## Fourth: Answer each of the following:

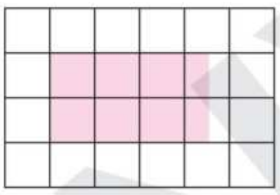
a Mohamed studied Maths for $1\frac{1}{3}$ hours and science for 90 minutes. How many minutes did Mohamed study in all?

........ $1\frac{1}{3}$ hours $= 1\frac{1}{3} \times 60 = 80$ min ........

........ the time = 80 + 90 = 170 min ........ .

b Draw a rectangle with dimensions $3\frac{1}{2}$ units X 2 units,

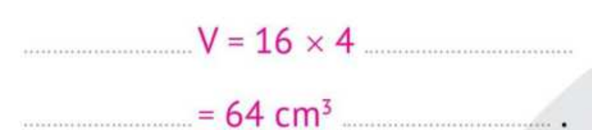
then calculate its area ........ A = 7 square units ........ .



c If the price of each pen is $2\frac{1}{2}$ pounds. Find the price of 6 pens.

........ the price $= 2\frac{1}{2} \times 6 = 15$ pounds ........ .

d **Find the volume of the opposite figure:**



........ V = 16 × 4 ........

........ = 64 $cm^3$ ........ .



# Exam 7

## First: Choose the correct answer:

1. $\frac{5}{7} - \dots\dots = \frac{1}{7}$ ( $\frac{1}{7}$ or $\frac{4}{7}$ or $\frac{5}{7}$ or $\frac{6}{7}$ )

2. $\frac{5}{8} + \dots\dots = \frac{3}{4} + \frac{1}{4}$ ( $\frac{3}{8}$ or $\frac{3}{4}$ or $\frac{1}{4}$ or 1 )

3. $\frac{8}{32} = \frac{4}{\dots}$ ( 10 or 12 or 16 or 6 )

4. 90 seconds = ........ minutes ( 90 or $1\frac{1}{4}$ or $1\frac{1}{2}$ or $1\frac{1}{3}$ )

5. $8\frac{3}{5} + 1\frac{1}{12}$ estimated as ........ . ( 9 or $9\frac{1}{2}$ or 10 or $8\frac{1}{2}$ )

6. $\frac{1}{5} \div 3 = \dots\dots$ ( $\frac{1}{15}$ or 15 or $3\frac{1}{15}$ or 8 )

7. $4\frac{1}{4} = \dots\dots$ ( $\frac{3}{4}$ or $\frac{5}{4}$ or $\frac{17}{4}$ or $\frac{16}{4}$ )

## Second: Complete the following:

1. The y - coordinate of ( 3,8 ) is ..... 8 ..... .

2. $1\frac{3}{7} \times \dots \frac{7}{10} \dots = 1$

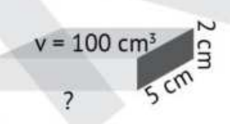
3. The origin point is ( ..... 0 ..... , ..... 0 ..... )

4. $\frac{1}{6} + \frac{2}{3} = \dots \frac{5}{6} \dots$

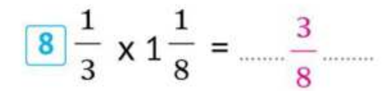
5. $2\frac{1}{5} + Y = 3\frac{1}{4}$, then Y = ..... $1\frac{1}{20}$ .....

6. $\frac{1}{4}$ year = ..... 3 ..... months

7. The missing dimension in the opposite rectangular prism is ..... 10 ..... .




8. $\frac{1}{3} \times 1\frac{1}{8} = \dots \frac{3}{8} \dots$



## Third: Choose the correct answer:

1 The common denominators of $\frac{3}{7}, \frac{1}{2}$ is ................ . ( 7 or 2 or 72 or 14 )

2 The triangle whose side lengths are ................ is isosceles triangle.

( 4,5,3 cm or 4,4,5 cm or 3,5,6 cm or 2,3,4 cm )

3 $2\frac{1}{7} + 5\frac{1}{2} =$ ................ ( $7\frac{2}{9}$ or $3\frac{9}{14}$ or $7\frac{9}{14}$ or $1\frac{1}{7}$ )

4 $\frac{1}{5} \div 4 =$ ................ ( $\frac{4}{5}$ or $\frac{5}{4}$ or 20 or $\frac{1}{20}$ )

5 $\frac{3}{7} \times 8 =$ ................ ( $\frac{8}{3} \times 7$ or $\frac{6}{7} \times 4$ or $\frac{5}{7} \times 6$ or $\frac{24}{8} \times 7$ )

6 $3\frac{2}{5} =$ ................ ( $\frac{3}{5}$ or $\frac{17}{5}$ or $\frac{15}{5}$ or $\frac{11}{5}$ )

7 $\frac{3}{5} \times \frac{5}{3} =$ ................ ( $\frac{15}{3}$ or $\frac{5}{3}$ or $\frac{8}{8}$ or 1 )

## Fourth: Answer each of the following:

a Islam spent $\frac{1}{4}$ of his Sunday doing homework and $\frac{1}{10}$ of the day watching cricket. What part of the day was left to do other things?

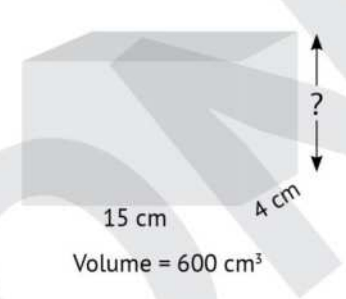
the left $= 1 - (\frac{1}{4} + \frac{1}{10}) = \frac{13}{20}$ of the day.

b How many sevenths are in the 5 ?

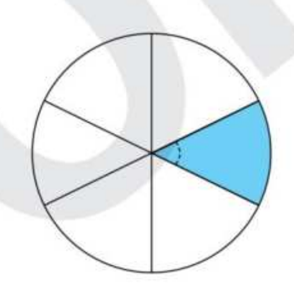
$5 \times 7 = 35$ sevenths.

c **Find the missing dimension of the opposite figure:**

$H = \frac{600}{4 \times 15} = \frac{600}{60} = 10$ cm

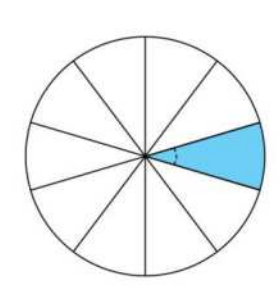


**d** **Find the measure of the central angle that represent each of the following sectors:**



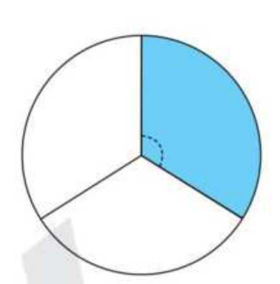
1

$\frac{360}{5} = 60°$



2

$\frac{360}{10} = 36°$



3

$\frac{360}{3} = 120°$

# Exam 8

## First: Choose the correct answer:

1 The LCM of denominators of $\frac{1}{2}$ and $\frac{3}{10}$ is ................ .

( 1 or 2 or 3 or 10 )

2 $\frac{6}{7}$ – ................ $\frac{1}{7}$ = 1 ( $\frac{1}{7}$ or $\frac{4}{7}$ or $\frac{5}{7}$ or $\frac{6}{7}$ )

3 The x-coordinate of the origin point is ................ . ( 0 or 1 or 2 or 3 )

4 $16 \times \frac{7}{4}$ = ................ . ( 5 or 17 or 28 or 30 )

5 The length of the rectangular prism = ................ .

( L x W x h or $\frac{V}{w \times h}$ or $\frac{\text{base area}}{h}$ or w x h)

6 In △ ABC , AB = BC = 7 cm and AC = 4cm, then the triangle is ................ .

( equilateral or isosceles or scalene or right )

7 How many ninths are there in 8 ? ( 9 ÷ 8 or 9 x 8 or 9 + 8 or 9 – 8 )

Revision

## Second: Choose the correct answer:

1 $\frac{1}{3}$ an hour = ........ 20 ........ minutes

2 $15 \times 1\frac{1}{3}$ = ........ 20 ........

3 The simplest form of $\frac{12}{18}$ is ........ $\frac{2}{3}$ ........

4 If $3\frac{1}{5} = 2\frac{x}{5}$, then x = ........ 6 ........

5 $\frac{5}{6} + \frac{11}{10}$ is estimated as ........ 1 + 1 = 2 ........

6 If $\frac{5}{8} = \frac{n}{40}$, then n = ........ 25 ........ .

7 If $2\frac{1}{4} + b = 3\frac{1}{4}$, then b = ........ 1 ........ .

8 $4\frac{2}{7} \times \frac{1}{3}$ = ........ $\frac{10}{7} = 1\frac{3}{7}$ ........

## Third: Choose the correct answer:

1 Which of the following is not equivalent to $\frac{15}{20}$ ? .................................... .

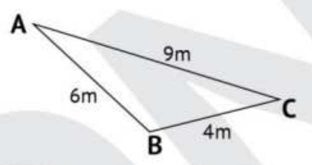
( $\frac{3}{4}$ or $\frac{30}{40}$ or $\frac{25}{100}$ or $\frac{9}{12}$ )

2 $\frac{2}{3} + \frac{5}{6}$ = .................................... ( $1\frac{1}{2}$ or $\frac{7}{9}$ or $\frac{4}{3}$ or $\frac{11}{6}$ )

3 $1\frac{5}{4} - 1\frac{1}{20}$ = .................................... ( $\frac{17}{20}$ or $\frac{4}{3}$ or $\frac{3}{4}$ or $1\frac{1}{5}$ )

4 $\frac{3}{4}$ year = .................................... month ( 3 or 6 or 9 or 12 )

5 The opposite triangle is ....................................




( equilateral , scalene , isosceles , acute )

6 $\frac{1}{4} \times \frac{6}{7}$ = .................................... ( $\frac{1}{14}$ or $\frac{1}{7}$ or $\frac{3}{14}$ or $\frac{2}{7}$ )

7 $8 \div v = 24$, then v = .................................... . ( 3 or $\frac{1}{3}$ or $1\frac{1}{3}$ or 32 )

## Fourth: Answer the following:

ⓐ Hana studies Maths for $1\frac{1}{2}$ hours and Science for $2\frac{1}{2}$ hours.

How many hours did Hana study?

Hana studies = $1\frac{1}{2} + 2\frac{1}{2} = 4$ hours.

ⓑ The price of each book is $4\frac{1}{3}$ LE. Find the price of 9 books.

the price = $4\frac{1}{3} \times 9 = 39$ LE.

ⓒ Judy had $10\frac{1}{2}$ LE in her pocket and $15\frac{3}{4}$ LE in her bank.

How much money did she have?

she have = $10\frac{1}{2} + 15\frac{3}{4} = 26\frac{1}{4}$ LE.

ⓓ Which is greater in volume?

A rectangular prism of dimensions 7 cm, 5 cm and 3 cm, or a rectangular prism whose base area = 15 cm and its height = 6 cm

Volume of the first prism = $7 \times 5 \times 3 = 105$ cm$^3$

Volume of second prism = $15 \times 6 = 90$ cm$^3$

the first is greater.

# Prim 5 – Model No 1

## [Q1] Choose the correct answer:

(1) Smallest like denominator for $\frac{1}{6}$ , $\frac{4}{5}$ is ........

a) 30 b) 6 c) 5 d) 12

(2) $3\frac{2}{4} - 1\frac{3}{4}$ = ..........

a) $2\frac{1}{4}$ b) $1\frac{3}{4}$ c) $1\frac{1}{4}$ d) $2\frac{3}{4}$

(3) $2 \times \frac{......}{7} = \frac{6}{7}$

a) 4 b) 3 c) 2 d) 1

(4) $5 \times \frac{3}{7}$ ..............$4 \times \frac{3}{7}$

a) > b) = c) < d) Otherwise

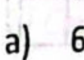
(5) A quadrilateral that has two acute angles and two obtuse angles is ....

a) Parallelogram b) Square c) Rectangle d) Triangle

(6) The rhombus has ..................axes of symmetry

a) 1 b) 2 c) 3 d) 4

(7) The circular degrees that match the fraction of the circle that is shaded= ...........$^o$



a) 60 b) 90 c) 120 d) 180

## [Q2] Complete the following:

(1) The estimation of $\frac{2}{5} + \frac{4}{10}$ is 1, then it's called .....................estimation

(2) Two persons share half a kilogram of bananas equally. The number of kilograms of bananas Each person takes it = ............................. kg

(3) Each ordered pair represents ........................ On coordinate plane

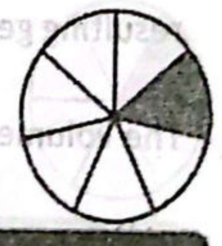
(4) If $1\frac{3}{11}$ + Y = $4\frac{6}{11}$, then the value of Y = ....................

(5) $\frac{4}{5} \times \frac{5}{32}$ = .............. in simplest form

(6) The angle of measure less than $90^o$ is ........... angle

(7) The cube has ............................ faces

(8) The fraction which represents the shaded part is ............



## [Q3] Choose the correct answer:

(1) The fraction $\frac{6}{11}$ nearest to benchmark fraction ............

a) 0 b) $\frac{1}{2}$ c) 1 d) $1\frac{1}{2}$

(2) If $4\frac{w}{12}$ is more than $4\frac{1}{2}$, then the estimation value of w is ........

a) 5 b) 6 c) 7 d) 11

(3) $\frac{1}{6} \div 2 =$ ...............

a) 3 b) 12 c) $\frac{1}{3}$ d) $\frac{1}{12}$

(4) Two bags of seeds are used to fill three vessels. To find how much seeds to fill each vessel We use a process:

a) Multiplication b) Subtraction c) Addition d) Division

(5) A window in shape of rectangle its length $1\frac{3}{5}$ m and width $\frac{1}{3}$ m, then its area = ..........$m^2$

a) $\frac{15}{8}$ b) $\frac{8}{15}$ c) $\frac{9}{15}$ d) $\frac{15}{9}$

(6) From opposite number line:

The distance between P and T = ...... units

E T R P
0 1 $2\frac{1}{2}$ $3\frac{1}{2}$ 5

a) 2 b) 3 c) $2\frac{1}{2}$ d) $3\frac{1}{2}$

(7) The volume of the opposite figure = .................... cubic units

a) 4 b) 5 c) 7 d) 6

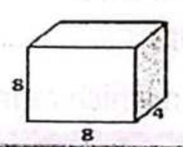
## [Q4] Answer the following questions:

[A] Ahmed ate $\frac{1}{2}$ the pie, and Reham ate $\frac{1}{3}$ the pie. What is the total of what Ahmed and Reham ate? ..........................................................

[B] If the rabbit's mass is $2\frac{3}{4}$ kg. What is the mass of 3 rabbits of the same size? ..........................................................

[C] Locate the following points on the coordinate plane and connect the points in order A ( 4, 9 ), B ( 2 , 9 ), C ( 2 , 4 ), D ( 4 , 4 ) What is the name of the resulting geometric figure?

[D] The volume of the opposite figure = ...... $cm^3$




*End of the questions*

# PRIM 5 – MODEL NO  2

## [Q1] *Choose the correct answer:*

(1) The fraction $\frac{1}{6}$ nearest to benchmark fraction ............

a) 0 b) $\frac{1}{2}$ c) 1 d) $1\frac{1}{2}$

(2) To find the value of A in equation: $A - 3\frac{2}{9} = 1\frac{1}{9}$ we use ....

a) Multiplication b) Subtraction c) Addition d) Division

(3) $3 \times \frac{2}{5} =$ ..............

a) $\frac{4}{5}$ b) $\frac{3}{5}$ c) 1 d) $1\frac{1}{5}$

(4) $\frac{5}{3} \times \frac{3}{5}$ .............. $\frac{3}{5}$

a) > b) = c) < d) Otherwise

(5) The opposite figure ———— is called

a) Ray b) Line segment c) Straight line d) angle

(6) The measure of right angle = ...............°

a) 30 b) 60 c) 90 d) 180

(7) The circular degrees that match the fraction of the circle that is shaded= ...........°



a) 90 b) 120 c) 180 d) 360

## [Q2] *Complete the following:*

(1) If the estimation of $\frac{7}{9} + \frac{9}{10}$ is 1, then it's called ......................estimation

(2) L.C.M for the denominators of fractions $5\frac{10}{15}$, $7\frac{5}{10}$ is .............

(3) If $\frac{4}{5} \times \frac{1}{2} = \frac{2}{5}$, then $\frac{4}{5} \times 1\frac{1}{2} =$ ..........

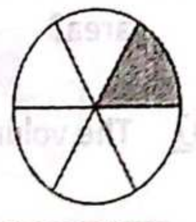
(4) If $\frac{1}{3} \div B = \frac{1}{9}$, then the value of B =.....................

(5) The two ................ lines never intersicting

(6) When plot the ordered pair ( 4 , 3 ) in the coordinate plane we move ............ Horizontal units on X-axis

(7) The square base pyramids has ............................ edges

(8) The fraction which represents the shaded part is ............



*[Q3] Choose the correct answer:*

(1) The two fractions with like denominator and equivalent to $\frac{3}{4}$, $\frac{2}{3}$ are ...

a) $\frac{6}{12}, \frac{8}{12}$ b) $\frac{16}{12}, \frac{18}{12}$ c) $\frac{6}{8}, \frac{4}{6}$ d) $\frac{9}{12}, \frac{10}{12}$

(2) $\frac{1}{4} \div 7 =$ ..............

a) 28 b) $\frac{1}{28}$ c) $\frac{7}{4}$ d) $\frac{4}{7}$

(3) $3\frac{1}{2} - 1\frac{5}{6} =$ ..............

a) $1\frac{3}{2}$ b) $2\frac{1}{3}$ c) $1\frac{2}{3}$ d) $2\frac{2}{3}$

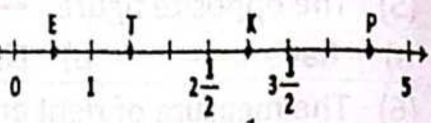
(4) The division problem that expresses the following situation: (3 large-sized cakes shared by 5 students .... )

a) $5 \div 3$ b) $15 \div 5$ c) $3 \div 15$ d) $3 \div 5$

(5) A figure that has two pairs of parallel sides and has right angles is

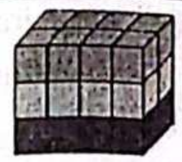
a) Parallelogram b) Square c) Rectangle d) Trapezium

(6) From opposite number line:
The distance between K and E = ...... units




a) 2 b) 3 c) $2\frac{1}{2}$ d) $3\frac{1}{2}$

(7) The horizontal layers
in the corresponding figure = ............. layers



a) 2 b) 3 c) 4 d) 6

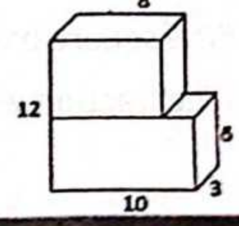
*[Q4] Answer the following questions:*

[A] Doaa owns a plot of land that cultivates $\frac{3}{5}$ wheat, and $\frac{2}{10}$ from an area of land is rice. What is the total cultivated part of the plot area?...................

[B] Heba reads from her favorite book $\frac{3}{4}$ hour daily, and if she reads the book within 12 days. How many hours did she read the book? ..........

[C] Karim has an herb garden that is 10 units long, $\frac{1}{3}$ unit wide. What is its area?

[D] The volume of the opposite figure = ...... $cm^3$




*End of the questions*

## PRIM 5 – MODEL NO 

**[Q1] Choose the correct answer:**

(1) The fraction $\frac{4}{5}$ nearest to benchmark fraction ..........

a) 0 b) $\frac{1}{2}$ c) 1 d) $1\frac{1}{2}$

(2) $5\frac{1}{3} + 2\frac{2}{3} =$ ......

a) $8\frac{1}{3}$ b) $3\frac{1}{3}$ c) $7\frac{1}{3}$ d) 8

(3) $\frac{2}{3}$ of 9 = ...............

a) 2 b) 3 c) 6 d) 5

(4) $\frac{4}{7} \times \frac{7}{4}$ ............. $\frac{4}{7}$

a) > b) = c) < d) Otherwise

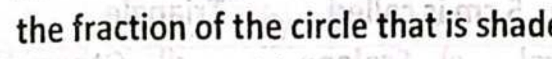
(5) A quadrilateral has two acute angles and two pairs of parallel sides is ....

a) Parallelogram b) Square c) Rectangle d) Trapezium

(6) The angle of measure more than 90° is ............... angle .

a) Acute b) Obtuse c) Right d) Otherwise

(7) The circular degrees that match the fraction of the circle that is shaded= ........... °



a) 30 b) 45 c) 60 d) 90

**[Q2] Complete the following:**

(1) If The estimation of $\frac{12}{11} + \frac{7}{12}$ is $1\frac{1}{2}$ then it's called ................estimation

(2) If $B - 2\frac{5}{7} = 3\frac{3}{7}$, then the value of B = .............

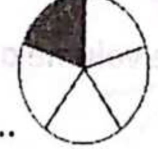
(3) $3\frac{1}{4} \times \frac{1}{2} = (3 +$ ............. $) \times \frac{1}{2}$

(4) The division problem , which expresses the following situation: (4 children share 8 pounds equally) is ......................

(5) The shape ⟶ is called ....................

(6) When plot the ordered pair ( 4 , 3 ) in the coordinate plane we move ............ vertically units on Y-axis

(7) The Cuboid has ........................... edges



(8) The fraction which represents the shaded part is ............

## [Q3] Choose the correct answer:

(1) The equivalent fraction to $\frac{3}{7}$ is ...

a) $\frac{9}{21}$ b) $\frac{3}{21}$ c) $\frac{17}{21}$ d) $\frac{8}{21}$

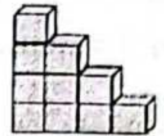
(2) If $6\frac{x}{12}$ is less than $6\frac{1}{2}$, then the estimation value of X is ........

a) 2 b) 5 c) 6 d) 7

(3) $2 \div \frac{1}{6} =$ ...............

a) 3 b) $\frac{1}{3}$ c) 12 d) $\frac{1}{12}$

(4) The volume of the opposite figure = ............ Cubic



a) 4 b) 3

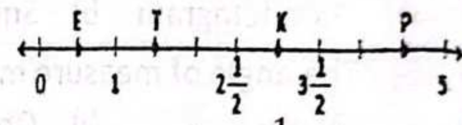
c) 2 d) 7

(5) Five meters of cloth is used to make two identical dresses. To find the amount of cloth that we use for each dress, we use the process: .............

a) Addition b) Subtraction c) multiplication d) division

(6) From opposite number line:

The distance between K and P = ...... units




a) 2 b) 3 c) $2\frac{1}{2}$ d) $1\frac{1}{2}$

(7) The triangle of sides 5 cm , 3 cm , 5 cm is called ......... Triangle

a) Isosceles b) Equilateral c) Scalene d) Otherwise

## [Q4] Answer the following questions:

[A] Jasmine bought $\frac{7}{12}$ kilogram of flour, and used $\frac{3}{6}$ kilogram of it. How many the remaining kilograms of flour? ....................

[B] Sarah uses $1\frac{3}{4}$ kilogram of flour to make a large cake. What is the amount Need to make 6 cakes of the same size?..........

[C] A hole was dug in Doaa's backyard to fix the plumbing. The length of the hole was 8 m. its width $\frac{1}{10}$ m. What is the area of the hole?

[D] The volume of the opposite figure = ...... $cm^3$

5 cm
5 cm
1 cm
2 cm
2 cm
5 cm

*End of the questions*

# PRIM 5 – MODEL NO 

## [Q1] *Choose the correct answer:*

(1) The smallest like denominator for $\frac{2}{5}$ , $\frac{1}{2}$ is ..........

a) 5 b) 2 c) 10 d) 7

(2) $9 - M = 5\frac{3}{10}$ , then the value of M = .............

a) $4\frac{3}{10}$ b) $3\frac{3}{10}$ c) $3\frac{7}{10}$ d) $14\frac{3}{10}$

(3) $4 \times \frac{1}{3}$ = ...............

a) 12 b) 7 c) $1\frac{1}{3}$ d) $\frac{1}{12}$

(4) $\frac{11}{12} \times \frac{11}{12}$ ............. $\frac{11}{12}$

a) > b) = c) < d) Otherwise

(5) The polygon formed from three sides is called .............

a) Parallelogram b) Square c) Rectangle d) Triangle

(6) The rectangle has ....................... Axes of symmetry

a) 1 b) 2 c) 3 d) 4

(7) The circular degrees that match the fraction of the circle that is shaded= ...........°



a) 30 b) 45 c) 60 d) 90

## [Q2] *Complete the following:*

(1) If The estimation of $\frac{3}{8} + \frac{5}{6}$ is $\frac{1}{2}$ then it's called ................estimation

(2) To find value of D in equation $D + 2\frac{5}{7} = 8\frac{1}{6}$, we use ............. operation

(3) If $\frac{4}{13} \times \frac{1}{2} = \frac{2}{13}$, then $\frac{4}{13} \times 1\frac{1}{2}$ = ...........

(4) $24 \div 5$ = .................. As mixed number

(5) The triangle with equal sides is called .................... triangle

(6) In the ordered pair ( 5 , 7 ) the X coordinate is ...........

(7) The cone has ..............vertices

(8) The fraction which represents the shaded part is ............



## [Q3] Choose the correct answer:

(1) The fraction $\frac{2}{10}$ nearest to benchmark fraction ............

a) 0 b) $\frac{1}{2}$ c) 1 d) $1\frac{1}{2}$

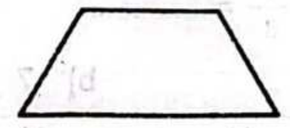
(2) $2\frac{1}{7} + 4\frac{5}{7} =$ ..............

a) $6\frac{6}{7}$ b) $5\frac{4}{7}$ c) $6\frac{6}{14}$ d) $5\frac{4}{14}$

(3) $7 \div \frac{1}{4} =$ ................

a) 28 b) $\frac{7}{4}$ c) $\frac{4}{7}$ d) $\frac{1}{28}$

(4) From the describe of the opposite figure

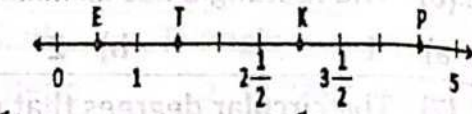


a) Has 4 equal sides b) Each two opposite sides parallel
c) Has only pair of parallel sides d) Has 4 right angles

(5) The division problem that expresses the following situation: (5 oranges shared by 7 students) is ....

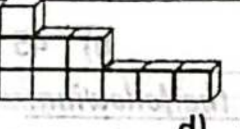
a) $2 \div 5$ b) $5 \div 2$ c) $5 \div 7$ d) $7 \div 5$

(6) From opposite number line:
The distance between T and K = ...... units




a) 2 b) 3 c) $2\frac{1}{2}$ d) $1\frac{1}{2}$

(7) The volume of the opposite figure = ..........



a) 16 b) 12 c) 14 d) 10

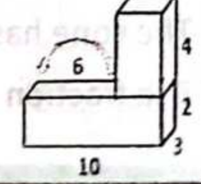
## [Q4] Answer the following questions:

[A] Ibrahim has $\frac{3}{4}$ liter of juice, and he drank $\frac{2}{6}$ liter of it. How many liters are left from the juice? ....................

[B] Nermin bought 5 notebooks, the price of one notebook is $2\frac{1}{2}$ pounds. What is the total amount that Nermin paid?..........

[C] Omar owns a car park. The parking length is 3 km and width $2\frac{1}{2}$ km. What is the area of the parking?..........................................

[D] The volume of the opposite figure = ...... $cm^3$




*End of the questions*

# PRIM 5 – MODEL NO 5

**[Q1] Choose the correct answer:**

(1) L.C.M for the denominators of two fractions $\frac{1}{3}$ , $\frac{5}{9}$ is ..........

a) 3 b) 6 c) 9 d) 27

(2) $1 + \frac{5}{8} + \frac{2}{3} =$ ...........

a) $24\frac{2}{7}$ b) $7\frac{2}{24}$ c) $2\frac{7}{24}$ d) $1\frac{7}{24}$

(3) $2 \times \frac{3}{6} =$ ................

a) 1 b) 12 c) $2\frac{3}{6}$ d) $\frac{3}{12}$

(4) $\frac{2}{3} \times \frac{15}{11}$ ............ $\frac{2}{3}$

a) > b) = c) < d) Otherwise

(5) The area of rectangle whose dimensions 3 cm , $3\frac{1}{2}$ cm = ..........$cm^2$

a) 12 b) 11 c) $10\frac{1}{2}$ d) $10\frac{1}{4}$

(6) The isosceles triangle has .................. axes of symmetry

a) 1 b) 2 c) 3 d) 4

(7) The circular degrees that match the fraction of the circle that is shaded= ...........°

a) 30 b) 60 c) 90 d) 120

**[Q2] Complete the following:**

(1) The estimation of $\frac{1}{3} + \frac{5}{9}$ is $\frac{1}{2}$ is called ........................estimation

(2) In the equation: $R - 1\frac{2}{7} = 5\frac{1}{7}$ , then value of R = ................

(3) On the number line, if the point B represents the number 5 , and point C represents number 7, then the distant between B , C is ............. units

(4) The division problem , which expresses the following situation: (4 children share 3 apples equally) is ......................

(5) $\frac{2}{3}$ of 6 squares = ........... squares

$\frac{3}{10}$ $\frac{1}{2}$ $\frac{1}{10}$ $\frac{1}{10}$

(6) The cylinder has ............ faces

(7) The decimal form of the opposite shaded part is .........

(8) The triangle of sides 7 cm , 5 cm , 8 cm is called ............. triangle

*[03] Choose the correct answer:*

(1) The fraction $\frac{5}{8}$ nearest to benchmark fraction ............

a) 0 b) $\frac{1}{2}$ c) 1 d) $1\frac{1}{2}$

(2) If $4\frac{M}{12}$ is more than $4\frac{1}{2}$ ,then the estimation value of M is .........

a) 4 b) 5 c) 6 d) 7

(3) $\frac{1}{3} \div 5 =$ ..............

a) 15 b) $\frac{5}{3}$ c) $\frac{3}{5}$ d) $\frac{1}{15}$

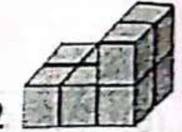
(4) Each of the eight people had a quarter of a pie. To find a total The pies that were distributed we use a process: ..............................

a) Multiplication b) Subtraction c) Addition d) Division

(5) The triangle whose measure of its greatest angle = 90 is called .........

a) Right b) Acute c) obtuse d) Otherwise

(6) The volume of the opposite figure = ...............



a) 6 b) 7 c) 8 d) 12

(7) The Y-coordinate in ordered pair ( 8 , 5 ) is ..........

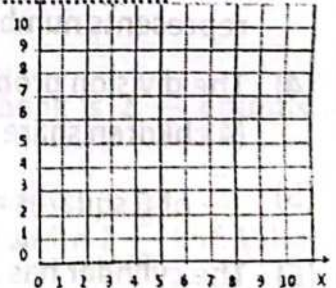
a) 5 b) 8 c) 3 d) 13

*[04] Answer the following questions:*

*[A]* Salma owns a farm, $\frac{1}{10}$ the crop is used for food, and $\frac{2}{5}$ for making tea. what fraction Ordinary, which represents the part of the farm's crop used for food and tea?..............................................................

*[B]* Ahmed walks around the perimeter of the garden 3 days a week, the perimeter of the garden is $2\frac{1}{3}$ kilometers. What is the total distance that Ahmed walks every week?.......................................................

*[C]* Locate the following points on the coordinate plane and connect the points in order A ( 4, 7 ), B ( 4 , 10 ), C ( 7 , 10 ), D ( 7 , 7 ) What is the name of the resulting geometric figure?




*[D]* Find the unknown dimension in the corresponding figure:
If you know that volume = 72 $m^3$

3
2
?

*End of the questions*

## PRIM 5 – MODEL NO 

### [Q1] Choose the correct answer:

(1) Smallest like denominator for $\frac{1}{3}$ , $\frac{5}{8}$ is ..........

a) 3　b) 8　c) 24　d) 48

(2) $5\frac{2}{4} - 3\frac{3}{4} =$ ...........

a) $2\frac{1}{4}$　b) $1\frac{3}{4}$　c) $1\frac{1}{4}$　d) $2\frac{3}{4}$

(3) $3 \times \frac{\dots\dots}{7} = \frac{6}{7}$

a) 4　b) 3　c) 2　d) 1

(4) $7 \times \frac{3}{7}$ ..............$7 \times \frac{3}{7}$

a) >　b) =　c) <　d) Otherwise

(5) A quadrilateral that has two acute angles and two obtuse angles is ....

a) Parallelogram　b) Square　c) Rectangle　d) Triangle

(6) The square has .................. axes of symmetry

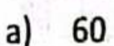
a) 1　b) 2　c) 3　d) 4

(7) The circular degrees that match the fraction of the circle that is shaded= ...........°



a) 60　b) 90　c) 120　d) 180

### [Q2] Complete the following:



(1) The estimation of $\frac{4}{5} + \frac{1}{10}$ is $\frac{1}{2}$, then it's called ...................estimation

(2) Two persons share half a kilogram of bananas equally. The number of kilograms of bananas Each person takes it = ............................ kg

(3) Each ordered pair represents ...................... On coordinate plane

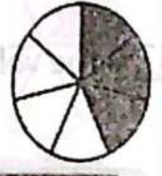
(4) If $3\frac{3}{7} + Y = 5\frac{6}{7}$, then the value of Y = ...................

(5) $\frac{4}{5} \times \frac{5}{32} =$ ............. in simplest form

(6) The angle of measure more than 90° is .......... angle

(7) The cylinder has ........................... bases

(8) The fraction which represents the shaded part is ............



*[Q3] Choose the correct answer:*

(1) The fraction $\frac{5}{9}$ nearest to benchmark fraction ............

a) 0 b) $\frac{1}{2}$ c) 1 d) $1\frac{1}{2}$

(2) If $7\frac{D}{10}$ is more than $7\frac{1}{2}$ ,then the estimation value of D is .........

a) 5 b) 6 c) 9 d) 11

(3) $\frac{1}{4} \div 2 =$ ................

a) 2 b) 8 c) $\frac{1}{4}$ d) $\frac{1}{8}$

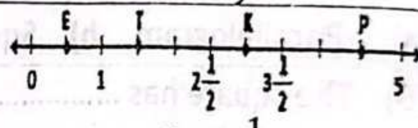
(4) Two bags of seeds are used to fill three vessels. To find how much seeds to fill each vessel We use a process:

a) Multiplication b) Subtraction c) Addition d) Division

(5) A window in shape of rectangle its length $1\frac{3}{5}$ m and width $\frac{1}{3}$ m, then its area = ..........$m^2$

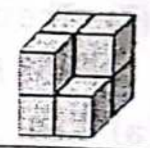
a) $\frac{15}{8}$ b) $\frac{8}{15}$ c) $\frac{9}{15}$ d) $\frac{15}{9}$

(6) From opposite number line:
The distance between E and T = ...... units




a) 1 b) 2 c) $1\frac{1}{2}$ d) $2\frac{1}{2}$

(7) The volume of the opposite figure = .................. cubic units



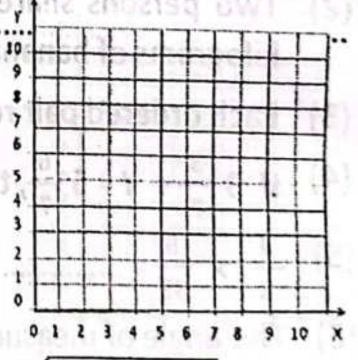
a) 3 b) 4 c) 7 d) 8

*[Q4] Answer the following questions:*

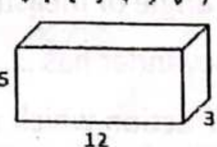
*[A]* Ahmed ate $\frac{1}{5}$ the pie, and Reham ate $\frac{1}{4}$ the pie. What is the total of what Ahmed and Reham ate? ..........................................................................

*[B]* If the rabbit's mass is $3\frac{3}{4}$ kg. What is the mass of 4 rabbits of the same size? ..........................................................................

*[C]* Locate the following points on the coordinate plane and connect the points in order A ( 5, 9 ), B ( 8 , 9 ), C ( 3 , 4 ), D ( 6 , 4 ) What is the name of the resulting geometric figure?




*[D]* The volume of the opposite figure = ...... $cm^3$




*End of the questions*

## PRIM 5 – MODEL NO 

### [Q1] Choose the correct answer:

(1) The fraction $\frac{1}{7}$ nearest to benchmark fraction ............

a) 0 b) $\frac{1}{2}$ c) 1 d) $1\frac{1}{2}$

(2) To find the value of A in equation: $B - 7\frac{2}{9} = 4\frac{1}{9}$ we use ....

a) Multiplication b) Subtraction c) Addition d) Division

(3) $3 \times \frac{2}{5} =$ ..............

a) $\frac{3}{5}$ b) $\frac{2}{15}$ c) 1 d) $1\frac{1}{5}$

(4) $\frac{5}{3} \times \frac{3}{5}$ ............ $\frac{3}{5}$

a) > b) = c) < d) Otherwise

(5) The opposite figure $\longleftrightarrow$ is called

a) Ray b) Line segment c) Straight line d) angle

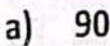
(6) The measure of acute is less than =...............°

a) 0 b) 90 c) 180 d) 360

(7) The circular degrees that match the fraction of the circle that is shaded= ..........°



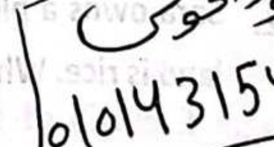
a) 90 b) 120 c) 180 d) 360



### [Q2] Complete the following:

(1) If the estimation of $\frac{5}{8} + \frac{7}{10}$ is 1, then it's called ......................estimation

(2) L.C.M for the denominators of fractions $5\frac{10}{20}$, $7\frac{5}{10}$ is ............




(3) If $\frac{4}{5} \times \frac{1}{2} = \frac{2}{5}$, then $\frac{4}{5} \times 1\frac{1}{2} =$ .........

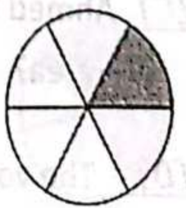
(4) If $\frac{1}{6} \div B = \frac{1}{6}$, then the value of B = ...................

(5) The two ................ lines never intersicting

(6) When plot the ordered pair ( 7 , 4 ) in the coordinate plane we move ............ Horizontal units on X-axis

(7) The square base pyramids has ........................... edges

(8) The fraction which represents the shaded part is ............



## [Q3] Choose the correct answer:

(1) The two fractions with like denominator and equivalent to $\frac{1}{4}$ , $\frac{1}{3}$ are ...

a) $\frac{6}{12}, \frac{8}{12}$ b) $\frac{3}{12}, \frac{4}{12}$ c) $\frac{6}{8}, \frac{4}{6}$ d) $\frac{9}{12}, \frac{10}{12}$

(2) $\frac{1}{5} \div 7 =$ ................

a) 35 b) $\frac{1}{35}$ c) $\frac{7}{5}$ d) $\frac{5}{7}$

(3) $7\frac{1}{2} - 5\frac{5}{6} =$ ................

a) $1\frac{3}{2}$ b) $2\frac{1}{3}$ c) $1\frac{2}{3}$ d) $2\frac{2}{3}$

(4) The division problem that expresses the following situation: (4 large-sized cakes shared by 7 students .... )

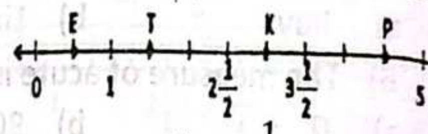
a) $4 \div 7$ b) $7 \div 5$ c) $4 \div 28$ d) $28 \div 4$

(5) A figure that has two pairs of parallel sides and has right angles is

a) Parallelogram b) Rhombus c) Rectangle d) Trapezium

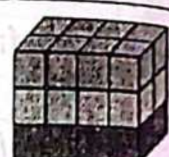
(6) From opposite number line:

The distance between K and T = ...... units




a) 2 b) 3 c) $2\frac{1}{2}$ d) $1\frac{1}{2}$

(7) The horizontal layers in the corresponding figure = ............. layers



a) 2 b) 3 c) 4 d) 7

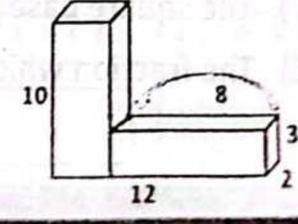
## [Q4] Answer the following questions:

[A] Sara owns a plot of land that cultivates $\frac{3}{4}$ wheat, and $\frac{5}{12}$ from an area of land is rice. What is the total cultivated part of the plot area?....................

[B] Nadine reads from her favorite book $\frac{2}{3}$ hour daily, and if she reads the book within 12 days. How many hours did she read the book? ...........

[C] Ahmed has an herb garden that is 15 units long, $\frac{1}{5}$ unit wide. What is its area?

[D] The volume of the opposite figure = ...... $cm^3$




*End of the questions*

# PRIM 5 – MODEL NO 8

## [Q1] Choose the correct answer:

(1) The fraction $\frac{4}{7}$ nearest to benchmark fraction ............

a) 0 b) $\frac{1}{2}$ c) 1 d) $1\frac{1}{2}$

(2) $4\frac{1}{3} + 3\frac{2}{3} =$ ......

a) $8\frac{1}{3}$ b) $3\frac{1}{3}$ c) $7\frac{1}{3}$ d) 8

(3) $\frac{1}{3}$ of 15 = ...............

a) 2 b) 3 c) 5 d) 15

(4) $\frac{4}{7} \times \frac{7}{4}$ ............ $\frac{4}{7}$

a) > b) = c) < d) Otherwise

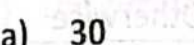
(5) A quadrilateral has two acute angles and two pairs of parallel sides is ....

a) Parallelogram b) Square c) Rectangle d) Trapezium

(6) The angle of measure less than $90^\circ$ is ............... angle

a) Acute b) Obtuse c) Right d) Otherwise

(7) The circular degrees that match the fraction of the circle that is shaded= ........... °



a) 30 b) 45 c) 60 d) 90

## [Q2] Complete the following:

(1) If The estimation of $\frac{1}{3} + \frac{2}{5}$ is 1 then it's called .................estimation

(2) If $K - 2\frac{5}{7} = 1\frac{3}{7}$, then the value of K = ...............

(3) $\frac{1}{4} \times D = \frac{1}{20}$, the value of D = ...............

(4) Ahmed has 12 liters of fruit juice, and he wants to divide it equally among 5 of his friends. The number of liters each friend gets = ...... Liter

(5) The shape ⟶ is called .....................

(6) When plot the ordered pair ( 7 , 4 ) in the coordinate plane we move ............ horizontally units on X-axis

(7) The pyramids has ........................... vertices

(8) The fraction which represents the shaded part is ............



## [Q3] Choose the correct answer:

(1) The equivalent fraction to $\frac{3}{5}$ is ...

a) $\frac{9}{20}$ b) $\frac{12}{20}$ c) $\frac{15}{20}$ d) $\frac{6}{20}$

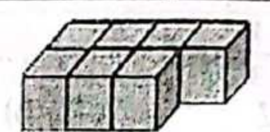
(2) If $8\frac{x}{7}$ is less than $8\frac{1}{2}$, then the estimation value of X is .........

a) 3 b) 5 c) 6 d) 7

(3) $3 \div \frac{1}{2} =$ ................

a) 3 b) $\frac{3}{2}$ c) 6 d) $\frac{1}{2}$

(4) The volume of the opposite figure = ............ Cubic



a) 4 b) 3

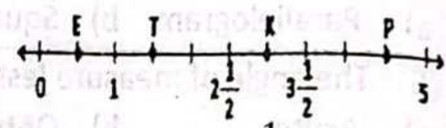
c) 2 d) 7

(5) Five meters of cloth is used to make two identical dresses. To find the amount of cloth that we use for each dress, we use the process: .............

a) Addition b) Subtraction c) multiplication d) division

(6) From opposite number line:

The distance between K and P =...... units




a) 2 b) 3 c) $2\frac{1}{2}$ d) $1\frac{1}{2}$

(7) The triangle of sides 7 cm , 3 cm , 7 cm is called .......... Triangle

a) Isosceles b) Equilateral c) Scalene d) Otherwise

## [Q4] Answer the following questions:

[A] Rania bought $\frac{11}{15}$ kilogram of flour, and used $\frac{3}{5}$ kilogram of it. How many the remaining kilograms of flour? ....................

[B] Samar uses $1\frac{3}{4}$ kilogram of flour to make a large cake. What is the amount Need to make 6 cakes of the same size?...........

[C] A hole was dug in Salma's backyard to fix the plumbing. The length of the hole was 8 m. its width $\frac{1}{10}$ m. What is the area of the hole?

[D] The volume of the opposite figure = ...... $cm^3$

5 cm
5 cm
1 cm
2 cm
2 cm
5 cm

*End of the questions*

# Prim 5 – Model No 9

## [Q1] Choose the correct answer:

(1) The smallest like denominator for $\frac{2}{9}$ , $\frac{1}{3}$ is ..........

a) 3 b) 9 c) 18 d) 27

(2) $11 - M = 7\frac{3}{10}$ , then the value of M = .............

a) $4\frac{3}{10}$ b) $3\frac{3}{10}$ c) $3\frac{7}{10}$ d) $14\frac{3}{10}$

(3) $5 \times \frac{1}{3}$ = ...............

a) 15 b) 5 c) $1\frac{2}{3}$ d) $\frac{1}{15}$

(4) $\frac{11}{12} \times \frac{11}{12}$ ............ $\frac{11}{12}$

a) > b) = c) < d) Otherwise

(5) The polygon formed from three sides is called .............

a) Parallelogram b) Square c) Rectangle d) Triangle

(6) The square has ........................ Axes of symmetry

a) 1 b) 2 c) 3 d) 4

(7) The circular degrees that match the fraction of the circle that is shaded= ...........°



a) 30 b) 45 c) 60 d) 90

## [Q2] Complete the following:

(1) If The estimation of $\frac{3}{7} + \frac{7}{9}$ is $\frac{1}{2}$ then it's called ................estimation

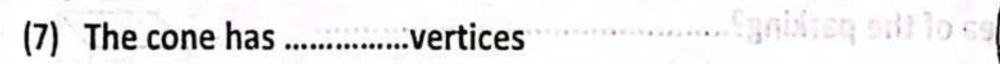
(2) To find value of E in equation $E + 2\frac{5}{7} = 8\frac{1}{6}$, we use ............. operation

(3) If $\frac{4}{13} \times \frac{1}{2} = \frac{2}{13}$, then $\frac{4}{13} \times 1\frac{1}{2}$ = ...........

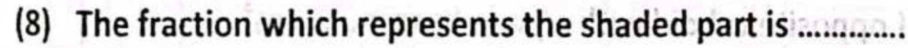
(4) $17 \div 5$ = .................. As mixed number

(5) The triangle with equal sides is called ..................... triangle

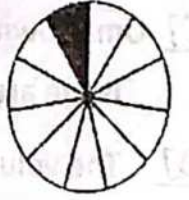
(6) In the ordered pair ( 5 , 7 ) the X coordinate is ...........



(7) The cone has ...............vertices



(8) The fraction which represents the shaded part is............



## [Q3] Choose the correct answer:

(1) The fraction $\frac{3}{11}$ nearest to benchmark fraction ............

a) 0 b) $\frac{1}{2}$ c) 1 d) $1\frac{1}{2}$

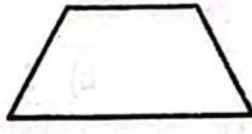
(2) $1\frac{1}{7} + 5\frac{5}{7}$ = ..............

a) $6\frac{6}{7}$ b) $5\frac{1}{7}$ c) $6\frac{6}{14}$ d) $5\frac{4}{14}$

(3) $9 \div \frac{1}{4}$ = ................

a) 36 b) $\frac{9}{4}$ c) $\frac{4}{9}$ d) $\frac{1}{36}$

(4) From the describe of the opposite figure

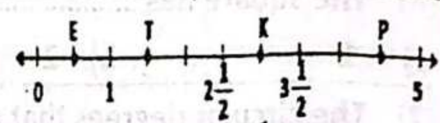


a) Has 4 equal sides b) Each two opposite sides parallel
c) Has only pair of parallel sides d) Has 4 right angles

(5) The division problem that expresses the following situation: (5 oranges shared by 7 students) is ....

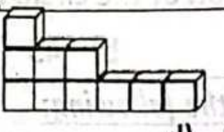
a) $2 \div 5$ b) $5 \div 2$ c) $5 \div 7$ d) $7 \div 5$

(6) From opposite number line:
The distance between P and K = ...... units




a) 2 b) 3 c) $2\frac{1}{2}$ d) $1\frac{1}{2}$

(7) The volume of the opposite figure = ..........



a) 16 b) 12 c) 14 d) 10

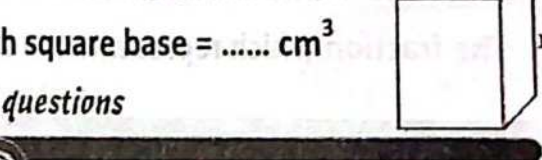
## [Q4] Answer the following questions:

[A] Khaled has $\frac{7}{9}$ liter of juice, and he drank $\frac{2}{3}$ liter of it. How many liters are left from the juice? ....................

[B] Nermin bought 7 notebooks, the price of one notebook is $2\frac{1}{2}$ pounds. What is the total amount that Nermin paid?..........

[C] Omar owns a car park. The parking length is 3 km and width $2\frac{1}{2}$ km. What is the area of the parking?..........................................

[D] The volume of opposite cuboid with square base = ...... $cm^3$




*End of the questions*

# PRIM 5 – MODEL NO (10)

## [Q1] Choose the correct answer:

(1) L.C.M for the denominators of two fractions $\frac{1}{4}$ , $\frac{5}{8}$ is ..........

a) 4 b) 8 c) 24 d) 32

(2) $1 + \frac{5}{8} + \frac{2}{3} =$ ...........

a) $24\frac{2}{7}$ b) $7\frac{2}{24}$ c) $2\frac{7}{24}$ d) $1\frac{7}{24}$

(3) $2 \times \frac{3}{6} =$ ................

a) 1 b) 12 c) $2\frac{3}{6}$ d) $\frac{3}{12}$

(4) $\frac{2}{3} \times \frac{15}{11}$ .............. $\frac{2}{3}$

a) > b) = c) < d) Otherwise

(5) The area of rectangle whose dimensions 3 cm , $3\frac{1}{2}$ cm = .........$cm^2$

a) 12 b) 11 c) $10\frac{1}{2}$ d) $10\frac{1}{4}$

(6) The isosceles triangle has .................. axes of symmetry

a) 1 b) 2 c) 3 d) 4

(7) The circular degrees that match the fraction of the circle that is shaded= ...........°



a) 30 b) 60 c) 90 d) 120

## [Q2] Complete the following:

(1) The estimation of $\frac{1}{4} + \frac{5}{8}$ is $\frac{1}{2}$ is called .........................estimation

(2) In the equation: $X - 1\frac{2}{7} = 5\frac{1}{7}$, then value of X = ................

(3) On the number line, if the point B represents the number 7 , and point C represents number 10, then the distant between B , C is ............. units

(4) The division problem, which expresses the following situation: (7 children share 5 apples equally) is .....................

(5) $\frac{2}{5}$ of 10 squares = ........... squares

(6) The cylinder has ............ faces

(7) The decimal form of the opposite shaded part is ........

(8) The triangle of sides 7 cm , 5 cm , 8 cm is called ............. triangle

**[Q3] Choose the correct answer:**

(1) The fraction $\frac{5}{7}$ nearest to benchmark fraction ............

a) 0    b) $\frac{1}{2}$    c) 1    d) $1\frac{1}{2}$

(2) If $9\frac{Y}{12}$ is more than $9\frac{1}{2}$ ,then the estimation value of Y is .........

a) 4    b) 5    c) 6    d) 7

(3) $\frac{1}{2} \div 5 =$ ...............

a) 10    b) $\frac{5}{2}$    c) $\frac{2}{5}$    d) $\frac{1}{10}$

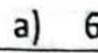
(4) Each of the eight people had a quarter of a pie. To find a total The pies that were distributed we use a process: ..............................

a) Multiplication    b) Subtraction    c) Addition    d) Division

(5) The triangle whose measure of its greatest angle = $100^{\circ}$ is called .........

a) Right    b) Acute    c) obtuse    d) Otherwise

(6) The volume of the opposite figure = ................



a) 6    b) 7    c) 8    d) 12

(7) The Y-coordinate in ordered pair ( 6 , 2 ) is ..........

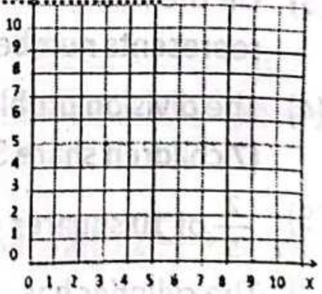
a) 6    b) 2    c) 4    d) 8

**[Q4] Answer the following questions:**

**[A]** Salma owns a farm, $\frac{1}{4}$ the crop is used for food, and $\frac{3}{8}$ for making tea. what fraction Ordinary, which represents the part of the farm's crop used for food and tea?...........................................................................

**[B]** Ahmed walks around the perimeter of the garden 3 days a week, the perimeter of the garden is $2\frac{1}{2}$ kilometers. What is the total distance that Ahmed walks every week?...................................................

**[C]** Locate the following points on the coordinate plane and connect the points in order A ( 4, 7 ), B ( 4 , 10 ), C ( 7 , 10 ), D ( 7 , 7 ) What is the name of the resulting geometric figure?



**[D]** Find the unknown dimension in the corresponding figure:
If you know that volume = 72 $m^3$

3    2

*End of the questions*



# Prim 5 – Model No (11)

## [Q1] Choose the correct answer:

(1) Smallest like denominator for $\frac{1}{3}$ , $\frac{4}{6}$ is .........

a) 3 b) 6 c) 18 d) 24

(2) $7\frac{2}{4} - 5\frac{3}{4} =$ ...........

a) $2\frac{1}{4}$ b) $1\frac{3}{4}$ c) $1\frac{1}{4}$ d) $2\frac{3}{4}$

(3) $3 \times \frac{\dots\dots}{10} = \frac{6}{10}$

a) 2 b) 3 c) 10 d) 1

(4) $5 \times \frac{3}{7}$ ..............$4 \times \frac{3}{7}$

a) > b) = c) < d) Otherwise

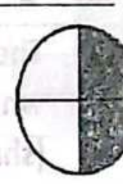
(5) A quadrilateral that has two acute angles and two obtuse angles is ....

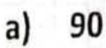
a) Parallelogram b) Square c) Rectangle d) Triangle

(6) The rhombus has .................. axes of symmetry

a) 1 b) 2 c) 3 d) 4

(7) The circular degrees that match the fraction of the circle that is shaded= ...........°





a) 90 b) 120 c) 180 d) 270

## [Q2] Complete the following:

(1) The estimation of $\frac{1}{7} + \frac{9}{10}$ is 1, then it's called ..................estimation

(2) Two persons share quarter kilogram of apples equally. The number of kilograms of apples Each person takes it = ............................ kg

(3) Each ordered pair represents ........................ On coordinate plane

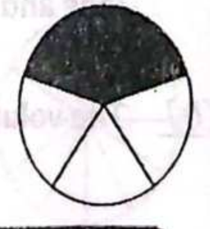
(4) If $3\frac{3}{11} + D = 4\frac{6}{11}$, then the value of D = ..................

(5) $\frac{4}{5} \times \frac{5}{32} =$ ............. in simplest form

(6) The angle of measure more than $90^{\circ}$ is ........... angle

(7) The cube has ........................... faces

(8) The fraction which represents the shaded part is ............



*[Q3] Choose the correct answer:*

(1) The fraction $\frac{7}{9}$ nearest to benchmark fraction ............

a) 0 b) $\frac{1}{2}$ c) 1 d) $1\frac{1}{2}$

(2) If $9\frac{7}{M}$ is more than $9\frac{1}{2}$ ,then the estimation value of w is .........

a) 12 b) 14 c) 18 d) 63

(3) $\frac{1}{6} \div 3 =$ ................

a) 2 b) 18 c) $\frac{1}{6}$ d) $\frac{1}{18}$

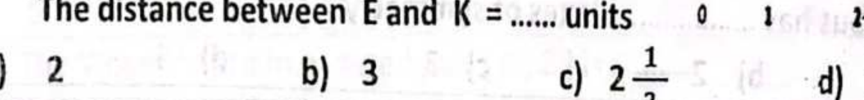
(4) Two bags of seeds are used to fill three vessels. To find how much seeds to fill each vessel We use a process:

a) Multiplication b) Subtraction c) Addition d) Division

(5) A window in shape of rectangle its length $1\frac{3}{5}$ m and width $\frac{1}{3}$ m, then its area = ..........$m^2$

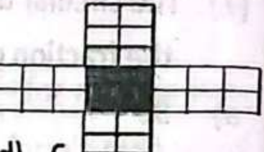
a) $\frac{15}{8}$ b) $\frac{8}{15}$ c) $\frac{9}{15}$ d) $\frac{15}{9}$

(6) From opposite number line:
The distance between E and K = ...... units




a) 2 b) 3 c) $2\frac{1}{2}$ d) $3\frac{1}{2}$

(7) The volume of the corresponding figure when folded = ............... $cm^3$
(shaded part represents the base of the figure)



a) 4 b) 5 c) 7 d) 6

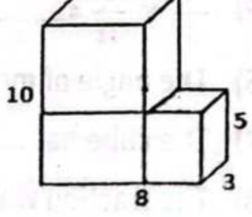
*[Q4] Answer the following questions:*

[A] Ahmed ate $\frac{1}{4}$ the pie, and Laila ate $\frac{2}{5}$ the pie. What is the total of what Ahmed and Laila ate? ..........................................................

[B] If the rabbit's mass is $3\frac{1}{4}$ kg. What is the mass of 4 rabbits of the same size? ..........................................................

[C] The family plans to install new tiles in the bedroom, which are $4\frac{1}{2}$ meters long and $5\frac{3}{4}$ meters wide. Calculate the floor area.

[D] The volume of the opposite figure = ...... $cm^3$




*End of the questions*

# PRIM 5 – MODEL NO 12

## [Q1] Choose the correct answer:

(1) The fraction $\frac{1}{9}$ nearest to benchmark fraction ............

a) 0 b) $\frac{1}{2}$ c) 1 d) $1\frac{1}{2}$

(2) To find the value of X in equation: $X + 5\frac{2}{9} = 10\frac{1}{9}$ we use ....

a) Multiplication b) Subtraction c) Addition d) Division

(3) $3 \times \frac{2}{5} =$ ...............

a) $\frac{4}{5}$ b) $\frac{3}{5}$ c) 1 d) $1\frac{1}{5}$

(4) $\frac{5}{3} \times \frac{3}{5}$ ............. $\frac{3}{5}$

a) > b) = c) < d) Otherwise

(5) The opposite figure ⟶ is called

a) Ray b) Line segment c) Straight line d) angle

(6) The measure of right angle = ...............°

a) 1 b) 2 c) 3 d) 4

(7) The circular degrees that match the fraction of the circle that is shaded= ...........°

a) 90 b) 180 c) 270 d) 360





## [Q2] Complete the following:

(1) If the estimation of $\frac{4}{7} + \frac{7}{10}$ is 1, then it's called .....................estimation

(2) L.C.M for the denominators of fractions $3\frac{10}{11}$, $2\frac{5}{6}$ is .............

(3) If $\frac{4}{5} \times \frac{1}{2} = \frac{2}{5}$, then $\frac{4}{5} \times 1\frac{1}{2} =$ ........

(4) If $\frac{1}{3} \times Y = \frac{1}{9}$, then the value of Y = .................

(5) The two ................ lines never intersicting

(6) When plot the ordered pair ( 4 , 3 ) in the coordinate plane we move ............ Horizontal units on X-axis

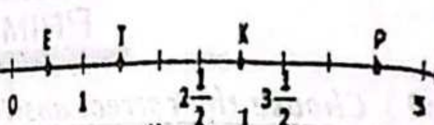
(7) The square base pyramids has .......................... edges

(8) The fraction which represents the shaded part is ............



**[03] *Choose the correct answer:***

(1) From opposite number line:
The distance between K and E = ...... units




a) 2 b) 3 c) $2\frac{1}{2}$ d) $3\frac{1}{2}$

(2) $\frac{1}{4} \div 7 =$ ................

a) 28 b) $\frac{1}{28}$ c) $\frac{7}{4}$ d) $\frac{4}{7}$

(3) $3\frac{1}{2} - 1\frac{5}{6} =$ ................

a) $1\frac{3}{2}$ b) $2\frac{1}{3}$ c) $1\frac{2}{3}$ d) $2\frac{2}{3}$

(4) The division problem that expresses the following situation: (3 large-sized cakes shared by 5 students .... )

a) $5 \div 3$ b) $15 \div 5$ c) $3 \div 15$ d) $3 \div 5$

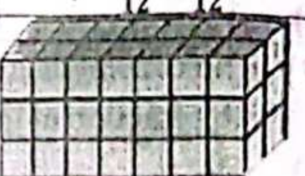
(5) A figure that has two pairs of parallel sides and has right angles is

a) Parallelogram b) Square c) Rectangle d) Trapezium

(6) The two fractions with like denominator and equivalent to $\frac{3}{4}$, $\frac{2}{3}$ are ...

a) $\frac{6}{12}, \frac{8}{12}$ b) $\frac{16}{12}, \frac{18}{12}$ c) $\frac{6}{8}, \frac{4}{6}$ d) $\frac{9}{12}, \frac{10}{12}$

(7) The vertical layers
In the corresponding figure = .......... layers



a) 3 b) 5 c) 7 d) 6

**[04] *Answer the following questions:***

**[A]** Omnia owns a plot of land that cultivates $\frac{4}{7}$ fruits, and $\frac{2}{5}$ from an area of land is vegetable. What is total cultivated part of plot area?...................

**[B]** Heba reads from her favorite book $\frac{2}{3}$ hour daily, and if she reads the book within 12 days. How many hours did she read the book? ..........

**[C]** Karim has an herb garden that is 9 units long, $\frac{2}{3}$ unit wide. What is its area?

**[D]** The volume of the opposite figure = ...... $cm^3$

*End of the questions*

# PRIM 5 – MODEL NO (13)

## [Q1] Choose the correct answer:

(1) The equivalent fraction to $\frac{3}{7}$ is ...

a) $\frac{9}{21}$ b) $\frac{3}{21}$ c) $\frac{17}{21}$ d) $\frac{8}{21}$

(2) If $6\frac{x}{12}$ is less than $6\frac{1}{2}$ ,then the estimation value of X is .........

a) 2 b) 5 c) 6 d) 7

(3) $2 \div \frac{1}{6} =$ ...............

a) 3 b) $\frac{1}{3}$ c) 12 d) $\frac{1}{12}$

(4) The volume of the opposite figure = ............ Cubic



a) $5 \div 3$ b) $15 \div 5$

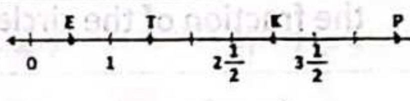
c) $3 \div 15$ d) $3 \div 5$

(5) Five meters of cloth is used to make two identical dresses. To find the amount of cloth that we use for each dress, we use the process: .............

a) Addition b) Subtraction c) multiplication d) division

(6) From opposite number line:

The distance between K and P = ...... units




a) 2 b) 3 c) $2\frac{1}{2}$ d) $1\frac{1}{2}$

(7) The triangle of sides 5 cm , 3 cm , 5 cm is called ......... Triangle

a) Isosceles b) Equilateral c) Scalene d) Otherwise

## [Q2] Complete the following:

(1) If The estimation of $\frac{12}{11} + \frac{7}{12}$ is $1\frac{1}{2}$ then it's called ...............estimation

(2) If $B - 2\frac{5}{7} = 3\frac{3}{7}$ , then the value of B = .............

(3) $3\frac{1}{4} \times \frac{1}{2} = (3 +$ .............. $) \times \frac{1}{2}$

(4) The division problem , which expresses the following situation: (4 children share 8 pounds equally) is .......................

(5) The shape ⟶ is called ...................

(6) When plot the ordered pair ( 4 , 3 ) in the coordinate plane we move ............ vertically units on Y-axis

(7) The Cuboid has ........................... edges

(8) The fraction which represents the shaded part is ............

## [03] Choose the correct answer:

(1) The fraction $\frac{4}{5}$ nearest to benchmark fraction ............

a) 0 b) $\frac{1}{2}$ c) 1 d) $1\frac{1}{2}$

(2) $5\frac{1}{3} + 2\frac{2}{3}$ = ......

a) $8\frac{1}{3}$ b) $3\frac{1}{3}$ c) $7\frac{1}{3}$ d) 8

(3) $\frac{2}{3}$ of 9 = ...............

a) 2 b) 3 c) 6 d) 5

(4) $\frac{4}{7} \times \frac{7}{4}$ ............. $\frac{4}{7}$

a) > b) = c) < d) Otherwise

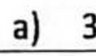
(5) A quadrilateral has two acute angles and two pairs of parallel sides is ....

a) Parallelogram b) Square c) Rectangle d) Trapezium

(6) The angle of measure more than $90^{o}$ is ............... angle

a) Acute b) Obtuse c) Right d) Otherwise

(7) The circular degrees that match the fraction of the circle that is shaded= ...........$^{o}$



a) 30 b) 45 c) 60 d) 90

## [04] Answer the following questions:

[A] Dalia bought $\frac{5}{12}$ kilogram of flour, and used $\frac{1}{3}$ kilogram of it. How many the remaining kilograms of flour? ....................

[B] Sarah uses $2\frac{3}{4}$ kilogram of flour to make a large cake. What is the amount Need to make 5 cakes of the same size?..........

[C] A hole was dug in sally's backyard to fix the plumbing. The length of the hole was 5 m. its width $\frac{3}{10}$ m. What is the area of the hole?

[D] The volume of the opposite figure = ...... $cm^3$

5 cm
5 cm
2 cm
1 cm
2 cm
5 cm



*End of the questions*



# PRIM 5 – MODEL NO 

## [Q1] *Choose the correct answer:*

(1) The fraction $\frac{2}{10}$ nearest to benchmark fraction ............

a) 0 b) $\frac{1}{2}$ c) 1 d) $1\frac{1}{2}$

(2) $2\frac{1}{7} + 4\frac{5}{7}$ = ..............

a) $6\frac{6}{7}$ b) $5\frac{4}{7}$ c) $6\frac{6}{14}$ d) $5\frac{4}{14}$

(3) $7 \div \frac{1}{4}$ = ................

a) 28 b) $\frac{7}{4}$ c) $\frac{4}{7}$ d) $\frac{1}{28}$

(4) From the describe of the opposite figure



a) Has 4 equal sides b) Each two opposite sides parallel

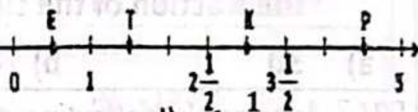
c) Has only pair of parallel sides d) Has 4 right angles

(5) The division problem that expresses the following situation: (5 oranges shared by 7 students) is ....

a) $2 \div 5$ b) $5 \div 2$ c) $5 \div 7$ d) $7 \div 5$

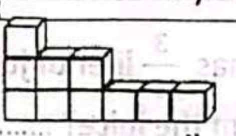
(6) From opposite number line:

The distance between T and K = ...... units




a) 2 b) 3 c) $2\frac{1}{2}$ d) $1\frac{1}{2}$

(7) The volume of the opposite figure =..........



a) 16 b) 12 c) 14 d) 10

## [Q2] *Complete the following:*

(1) If The estimation of $\frac{3}{8} + \frac{5}{6}$ is $\frac{1}{2}$ then it's called ................estimation

(2) To find value of D in equation $D + 2\frac{5}{7} = 8\frac{1}{6}$, we use ............. operation

(3) If $\frac{4}{13} \times \frac{1}{2} = \frac{2}{13}$, then $\frac{4}{13} \times 1\frac{1}{2}$ = ...........

(4) $24 \div 5$ = .................. As mixed number

(5) The triangle with equal sides is called .................... triangle

(6) In the ordered pair ( 5 , 7 ) the X coordinate is ...........

(7) The cone has ...............vertices

(8) The fraction which represents the shaded part is ............



## [Q3] Choose the correct answer:

(1) The smallest like denominator for $\frac{2}{5}$ , $\frac{1}{2}$ is ..........

a) 5 b) 2 c) 10 d) 7

(2) $9 - M = 5\frac{3}{10}$ , then the value of M = .............

a) $4\frac{3}{10}$ b) $3\frac{3}{10}$ c) $3\frac{7}{10}$ d) $14\frac{3}{10}$

(3) $4 \times \frac{1}{3}$ = ...............

a) 12 b) 7 c) $1\frac{1}{3}$ d) $\frac{1}{12}$

(4) $\frac{11}{12} \times \frac{11}{12}$ .............. $\frac{11}{12}$

a) > b) = c) < d) Otherwise

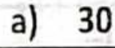
(5) The polygon formed from three sides is called .............

a) Parallelogram b) Square c) Rectangle d) Triangle

(6) The rectangle has ........................ Axes of symmetry

a) 1 b) 2 c) 3 d) 4

(7) The circular degrees that match the fraction of the circle that is shaded= ............°



a) 30 b) 45 c) 60 d) 90

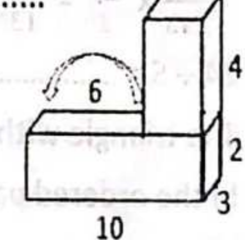
## [Q4] Answer the following questions:

[A] Khaled has $\frac{3}{4}$ liter of juice, and he drank $\frac{2}{6}$ liter of it. How many liters are left from the juice? ...................

[B] Nermin bought 7 notebooks, the price of one notebook is $3\frac{1}{2}$ pounds. What is the total amount that Nermin paid?..........

[C] Omar owns a car park. The parking length is 3 km and width $2\frac{1}{2}$ km. What is the area of the parking?...........................................

[D] The volume of the opposite figure = ...... $cm^3$




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01014315472

*End of the questions*

# PRIM 5 – MODEL NO (15)

01014315472

## [Q1] Choose the correct answer:

(1) The fraction $\frac{5}{8}$ nearest to benchmark fraction ............

a) 0 b) $\frac{1}{2}$ c) 1 d) $1\frac{1}{2}$

(2) If $4\frac{M}{12}$ is more than $4\frac{1}{2}$, then the estimation value of M is ........

a) 4 b) 5 c) 6 d) 7

(3) $\frac{1}{3} \div 5 =$ ...............

a) 15 b) $\frac{5}{3}$ c) $\frac{3}{5}$ d) $\frac{1}{15}$

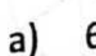
(4) Each of the eight people had a quarter of a pie. To find a total The pies that were distributed we use a process: ..............................

a) Multiplication b) Subtraction c) Addition d) Division

(5) The triangle whose measure of its greatest angle = 90 is called .........

a) Right b) Acute c) obtuse d) Otherwise

(6) The volume of the opposite figure = ...............



a) 6 b) 7 c) 8 d) 12

(7) The Y-coordinate in ordered pair ( 8 , 5 ) is ..........

a) 5 b) 8 c) 3 d) 13

## [Q2] Complete the following:

(1) The estimation of $\frac{1}{3} + \frac{5}{9}$ is $\frac{1}{2}$ is called ........................estimation

(2) In the equation: $R - 1\frac{2}{7} = 5\frac{1}{7}$, then value of R = ................

(3) On the number line, if the point B represents the number 5 , and point C represents number 7, then the distant between B , C is ............. units

(4) The division problem , which expresses the following situation: (4 children share 3 apples equally) is ....................

(5) $\frac{2}{3}$ of 6 squares = ........... squares

(6) The cylinder has ............ faces

(7) The decimal form of the opposite shaded part is .........

(8) The triangle of sides 7 cm , 5 cm , 8 cm is called ............ triangle

***[Q3] Choose the correct answer:***

(1) L.C.M for the denominators of two fractions $\frac{1}{3}$ , $\frac{5}{9}$ is ..........

a) 3 b) 6 c) 9 d) 27

(2) $1 + \frac{5}{8} + \frac{2}{3} =$ ...........

a) $24\frac{2}{7}$ b) $7\frac{2}{24}$ c) $2\frac{7}{24}$ d) $1\frac{7}{24}$

(3) $2 \times \frac{3}{6} =$ ..................

a) 1 b) 12 c) $2\frac{3}{6}$ d) $\frac{3}{12}$

(4) $\frac{2}{3} \times \frac{15}{11}$ ............. $\frac{2}{3}$

a) > b) = c) < d) Otherwise

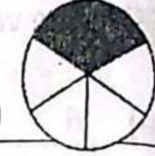
(5) The area of rectangle whose dimensions 3 cm , $3\frac{1}{2}$ cm = ..........$cm^2$

a) 12 b) 11 c) $10\frac{1}{2}$ d) $10\frac{1}{4}$

(6) The isosceles triangle has .................. axes of symmetry

a) 1 b) 2 c) 3 d) 4

(7) The circular degrees that match the fraction of the circle that is shaded= ...........°



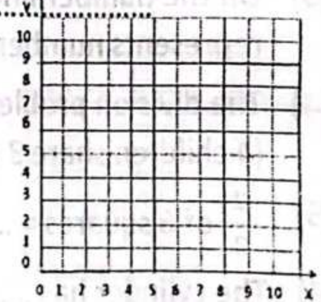
a) 30 b) 60 c) 90 d) 120

***[Q4] Answer the following questions:***

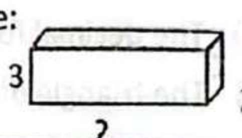
***[A]*** Amira owns a farm, $\frac{3}{10}$ the crop is used for food, and $\frac{4}{5}$ for making tea. what fraction Ordinary, which represents the part of the farm's crop used for food and tea?.......................................................................

***[B]*** Karem walks around the perimeter of the garden 3 days a week, the perimeter of the garden is $3\frac{1}{3}$ kilometers. What is the total distance that Karem walks every week?..........................................................

***[C]*** Locate the following points on the coordinate plane and connect the points in order A ( 3, 5 ), B ( 7 , 5 ), C ( 3 , 10 ), D ( 7 , 10 ) What is the name of the resulting geometric figure?




***[D]*** Find the unknown dimension in the corresponding figure:
If you know that volume = 42 $m^3$




*End of the questions*

# Prim 5 – Model No 16

## [Q1] Choose the correct answer:

(1) The fraction $\frac{6}{11}$ nearest to benchmark fraction ............

a) 0 b) $\frac{1}{2}$ c) 1 d) $1\frac{1}{2}$

(2) If $4\frac{w}{12}$ is more than $4\frac{1}{2}$ ,then the estimation value of w is ........

a) 5 b) 6 c) 7 d) 11

(3) $\frac{1}{6} \div 2 =$ ...............

a) 3 b) 12 c) $\frac{1}{3}$ d) $\frac{1}{12}$

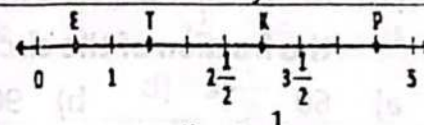
(4) Two bags of seeds are used to fill three vessels. To find how much seeds to fill each vessel We use a process:

a) Multiplication b) Subtraction c) Addition d) Division

(5) A window in shape of rectangle its length $1\frac{3}{5}$ m and width $\frac{1}{3}$ m, then its area = ..........$m^2$

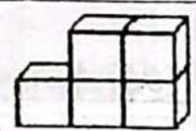
a) $\frac{15}{8}$ b) $\frac{8}{15}$ c) $\frac{9}{15}$ d) $\frac{15}{9}$

(6) From opposite number line:
The distance between P and T = ...... units




a) 2 b) 3 c) $2\frac{1}{2}$ d) $3\frac{1}{2}$

(7) The volume of the opposite figure
= .................... cubic units



a) 4 b) 5 c) 7 d) 6

## [Q2] Complete the following:

(1) The estimation of $\frac{2}{5} + \frac{4}{10}$ is 1, then it's called ..................estimation

(2) Two persons share half a kilogram of bananas equally. The number of kilograms of bananas Each person takes it = ........................... kg

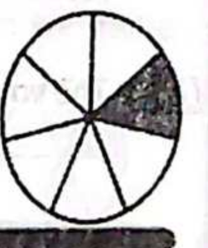
(3) Each ordered pair represents ....................... On coordinate plane

(4) If $1\frac{3}{11} + F = 7\frac{6}{11}$, then the value of F = ...................

(5) $\frac{4}{5} \times \frac{5}{32} =$ ............. in simplest form

(6) The angle of measure less than $90^{\circ}$ is .......... angle

(7) The cube has ........................... faces



(8) The fraction which represents the shaded part is ............

## [Q3] Choose the correct answer:

(1) Smallest like denominator for $\frac{1}{6}$ , $\frac{4}{5}$ is ..........

a) 30 b) 6 c) 5 d) 12

(2) $3\frac{2}{4} - 1\frac{3}{4} =$ ...........

a) $2\frac{1}{4}$ b) $1\frac{3}{4}$ c) $1\frac{1}{4}$ d) $2\frac{3}{4}$

(3) $2 \times \frac{......}{7} = \frac{6}{7}$

a) 4 b) 3 c) 2 d) 1

(4) $5 \times \frac{3}{7}$ ..............$4 \times \frac{3}{7}$

a) > b) = c) < d) Otherwise

(5) A quadrilateral that has two acute angles and two obtuse angles is ....

a) Parallelogram b) Square c) Rectangle d) Triangle

(6) The rhombus has .................... axes of symmetry

a) 1 b) 2 c) 3 d) 4

(7) The circular degrees that match the fraction of the circle that is shaded= ...........°



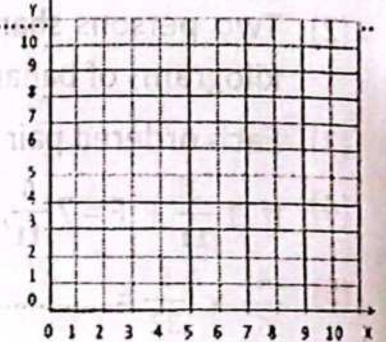
a) 60 b) 90 c) 120 d) 180

## [Q4] Answer the following questions:

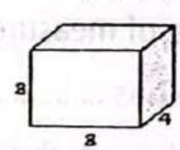
[A] Ahmed ate $\frac{1}{2}$ the pie, and Reham ate $\frac{1}{3}$ the pie. What is the total of what Ahmed and Reham ate? ..................................................................

[B] If the rabbit's mass is $2\frac{3}{4}$ kg. What is the mass of 3 rabbits of the same size? ..................................................................

[C] Locate the following points on the coordinate plane and connect the points in order A ( 4, 9 ), B ( 2 , 9 ), C ( 2 , 4 ), D ( 4 , 4 ) What is the name of the resulting geometric figure?




[D] The volume of the opposite figure = ...... $cm^3$




*End of the questions*

## PRIM 5 – MODEL NO 17

### [Q1] Choose the correct answer:

(1) The two fractions with like denominator and equivalent to $\frac{3}{4}$ , $\frac{2}{3}$ are ...

a) $\frac{6}{12}$ , $\frac{8}{12}$ b) $\frac{16}{12}$ , $\frac{18}{12}$ c) $\frac{6}{8}$ , $\frac{4}{6}$ d) $\frac{9}{12}$ , $\frac{10}{12}$

(2) $\frac{1}{4} \div 7 =$ ................

a) 28 b) $\frac{1}{28}$ c) $\frac{7}{4}$ d) $\frac{4}{7}$

(3) $3\frac{1}{2} - 1\frac{5}{6} =$ ................

a) $1\frac{3}{2}$ b) $2\frac{1}{3}$ c) $1\frac{2}{3}$ d) $2\frac{2}{3}$

(4) The division problem that expresses the following situation: (3 large-sized cakes shared by 5 students .... )

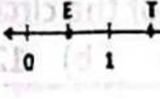
a) $5 \div 3$ b) $15 \div 5$ c) $3 \div 15$ d) $3 \div 5$

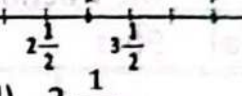
(5) A figure that has two pairs of parallel sides and has right angles is

a) Parallelogram b) Square c) Rectangle d) Trapezium

(6) From opposite number line:

The distance between K and E = ...... units






a) 2 b) 3 c) $2\frac{1}{2}$ d) $3\frac{1}{2}$

(7) The horizontal layers

in the corresponding figure = ............ layers



a) 4 b) 5 c) 7 d) 6

### [Q2] Complete the following:

(1) If the estimation of $\frac{7}{9} + \frac{9}{10}$ is 1, then it's called ......................estimation

(2) L.C.M for the denominators of fractions $5\frac{10}{15}$, $7\frac{5}{10}$ is .............

(3) If $\frac{4}{5} \times \frac{1}{2} = \frac{2}{5}$, then $\frac{4}{5} \times 1\frac{1}{2} =$ ..........

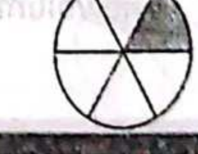
(4) If $\frac{1}{3} \div B = \frac{1}{9}$, then the value of B = ....................

(5) The two ................ lines never intersicting

(6) When plot the ordered pair ( 4 , 3 ) in the coordinate plane we move ............. Horizontal units on X-axis

(7) The square base pyramids has ............................ edges

(8) The fraction which represents the shaded part is ............



*[Q3] Choose the correct answer:*

(1) The fraction $\frac{1}{6}$ nearest to benchmark fraction ............

a) 0 b) $\frac{1}{2}$ c) 1 d) $1\frac{1}{2}$

(2) To find the value of A in equation: $A - 3\frac{2}{9} = 1\frac{1}{9}$ we use ....

a) Multiplication b) Subtraction c) Addition d) Division

(3) $3 \times \frac{2}{5} =$ ...............

a) $\frac{4}{5}$ b) $\frac{3}{5}$ c) 1 d) $1\frac{1}{5}$

(4) $\frac{5}{3} \times \frac{3}{5}$ ............. $\frac{3}{5}$

a) > b) = c) < d) Otherwise

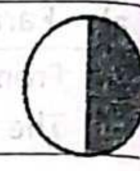
(5) The opposite figure ——————— is called

a) Ray b) Line segment c) Straight line d) angle

(6) The measure of right angle = ...............°

a) 1 b) 2 c) 3 d) 4

(7) The circular degrees that match the fraction of the circle that is shaded= ...........°



a) 90 b) 120 c) 180 d) 360

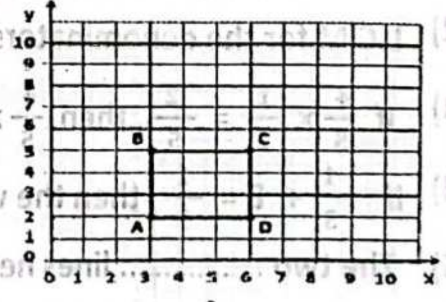
*[Q4] Answer the following questions:*

*[A]* Lobna owns a plot of land that cultivates $\frac{3}{5}$ wheat, and $\frac{2}{10}$ from an area of land is rice. What is the total cultivated part of the plot area?...................

*[B]* Aya reads from her favorite book $\frac{3}{4}$ hour daily, and if she reads the book within 16 days. How many hours did she read the book? ..........

*[C]* From the opposite coordinate plane, point C = ...

*[D]* The volume of the opposite figure = ...... $cm^3$




*End of the questions*

## Prim 5 – Model No 18

### [Q1] Choose the correct answer:

(1) The equivalent fraction to $\frac{3}{7}$ is ...

a) $\frac{9}{21}$ b) $\frac{3}{21}$ c) $\frac{17}{21}$ d) $\frac{8}{21}$

(2) If $6\frac{x}{12}$ is less than $6\frac{1}{2}$, then the estimation value of X is .........

a) 2 b) 5 c) 6 d) 7

(3) $2 \div \frac{1}{6} =$ ..............

a) 3 b) $\frac{1}{3}$ c) 12 d) $\frac{1}{12}$

(4) The volume of the opposite figure = ............ Cubic

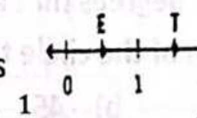


a) $5 \div 3$ b) $15 \div 5$
c) $3 \div 15$ d) $3 \div 5$

(5) Five meters of cloth is used to make two identical dresses. To find the amount of cloth that we use for each dress, we use the process: ..............

a) Addition b) Subtraction c) multiplication d) division

(6) From opposite number line:
The distance between K and P = ...... units




a) 2 b) 3 c) $2\frac{1}{2}$ d) $1\frac{1}{2}$

(7) The triangle of sides 5 cm , 3 cm , 5 cm is called .......... Triangle

a) Isosceles b) Equilateral c) Scalene d) Otherwise

### [Q2] Complete the following:

(1) If The estimation of $\frac{12}{11} + \frac{7}{12}$ is $1\frac{1}{2}$ then it's called ..............estimation

(2) If $B - 2\frac{5}{7} = 3\frac{3}{7}$, then the value of B = ............

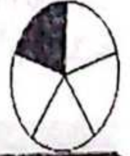
(3) $3\frac{1}{4} \times \frac{1}{2} = (3 +$ ..............$) \times \frac{1}{2}$

(4) The division problem, which expresses the following situation: (4 children share 8 pounds equally) is ......................

(5) The shape ⟶ is called .....................

(6) When plot the ordered pair ( 4 , 3 ) in the coordinate plane we move ............ vertically units on Y-axis

(7) The Cuboid has ............................ edges



(8) The fraction which represents the shaded part is ............

*[03] Choose the correct answer:*

(1) The fraction $\frac{4}{5}$ nearest to benchmark fraction ............

a) 0 b) $\frac{1}{2}$ c) 1 d) $1\frac{1}{2}$

(2) $5\frac{1}{3} + 2\frac{2}{3}$ = ......

a) $8\frac{1}{3}$ b) $3\frac{1}{3}$ c) $7\frac{1}{3}$ d) 8

(3) $\frac{2}{3}$ of 9 = ..............

a) 2 b) 3 c) 6 d) 5

(4) $\frac{4}{7} \times \frac{7}{4}$ .............. $\frac{4}{7}$

a) > b) = c) < d) Otherwise

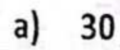
(5) A quadrilateral has two acute angles and two pairs of parallel sides is ....

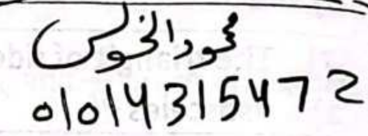
a) Parallelogram b) Square c) Rectangle d) Trapezium

(6) The angle of measure more than $90^{\circ}$ is ............... angle

a) Acute b) Obtuse c) Right d) Otherwise

(7) The circular degrees that match the fraction of the circle that is shaded= ..........$^{\circ}$

a) 30  b) 45 c) 60 d) 90



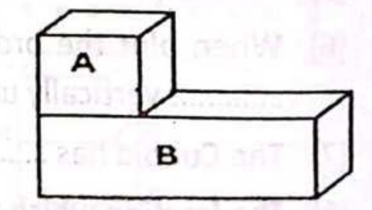

*[04] Answer the following questions:*

*[A]* Jana bought $\frac{7}{12}$ kilogram of flour, and used $\frac{3}{6}$ kilogram of it. How many the remaining kilograms of flour? ..................

*[B]* Eman uses $1\frac{3}{4}$ kilogram of flour to make a large cake. What is the amount Need to make 6 cakes of the same size?..........

*[C]* A hole was dug in Dalia's backyard to fix the plumbing. The length of the hole was 8 m. its width $\frac{1}{10}$ m. What is the area of the hole?

*[D]* The volume of the corresponding complex figure $= 400\ m^3$, and the volume of the cuboid (A) $= 140\ m^3$, Find the volume of the Cuboid (B)?




*End of the questions*

# PRIM 5 – MODEL NO 19

## [Q1] Choose the correct answer:

(1) The fraction $\frac{2}{10}$ nearest to benchmark fraction ............

a) 0 b) $\frac{1}{2}$ c) 1 d) $1\frac{1}{2}$

(2) $2\frac{1}{7} + 4\frac{5}{7} =$ ..............

a) $6\frac{6}{7}$ b) $5\frac{4}{7}$ c) $6\frac{6}{14}$ d) $5\frac{4}{14}$

(3) $7 \div \frac{1}{4} =$ ...............

a) 28 b) $\frac{7}{4}$ c) $\frac{4}{7}$ d) $\frac{1}{28}$

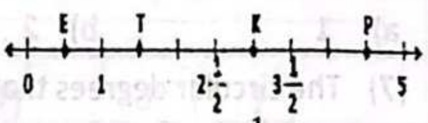
(4) The obtuse triangle has ................. acute angle

a) 0 b) 1 c) 2 d) 3

(5) The division problem that expresses the following situation: (5 oranges shared by 7 students) is ....

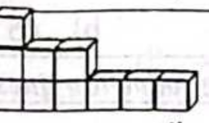
a) $2 \div 5$ b) $5 \div 2$ c) $5 \div 7$ d) $7 \div 5$

(6) From opposite number line:
The distance between T and K = ...... units




a) 2 b) 3 c) $2\frac{1}{2}$ d) $1\frac{1}{2}$

(7) The volume of the opposite figure = ..........



a) 16 b) 12 c) 14 d) 10

## [Q2] Complete the following:

(1) If The estimation of $\frac{3}{8} + \frac{5}{6}$ is $\frac{1}{2}$ then it's called ................estimation

(2) To find value of D in equation $D + 2\frac{5}{7} = 8\frac{1}{6}$, we use ............. operation

(3) If $\frac{4}{13} \times \frac{1}{2} = \frac{2}{13}$, then $\frac{4}{13} \times 1\frac{1}{2} =$ ...........

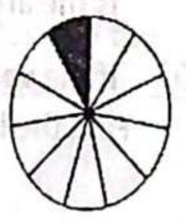
(4) $24 \div 5 =$ .................. As mixed number

(5) The triangle with equal sides is called .................... triangle

(6) In the ordered pair ( 5 , 7 ) the X coordinate is ...........

(7) The cone has ...............vertices

(8) The fraction which represents the shaded part is ............



## [Q3] Choose the correct answer:

(1) The smallest like denominator for $\frac{2}{5}$ , $\frac{1}{2}$ is .........

a) 5 b) 2 c) 10 d) 7

(2) $9 - M = 5\frac{3}{10}$ , then the value of M = ............

a) $4\frac{3}{10}$ b) $3\frac{3}{10}$ c) $3\frac{7}{10}$ d) $14\frac{3}{10}$

(3) $4 \times \frac{1}{3}$ = ..............

a) 12 b) 7 c) $1\frac{1}{3}$ d) $\frac{1}{12}$

(4) $\frac{11}{12} \times \frac{11}{12}$ ............ $\frac{11}{12}$

a) > b) = c) < d) Otherwise

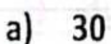
(5) The polygon formed from three sides is called ............

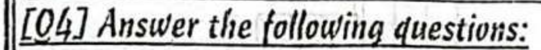
a) Parallelogram b) Square c) Rectangle d) Triangle

(6) The rectangle has ...................... Axes of symmetry

a) 1 b) 2 c) 3 d) 4

(7) The circular degrees that match the fraction of the circle that is shaded= ..........°


a) 30 b) 45 c) 60 d) 90



## [Q4] Answer the following questions:

[A] Mahmoud has $\frac{3}{4}$ liter of juice, and he drank $\frac{2}{6}$ liter of it. How many liters are left from the juice? ..................

[B] Eman bought 10 notebooks, the price of one notebook is $2\frac{4}{5}$ pounds. What is the total amount that Nermin paid?..........

[C] Omar owns a car park. The parking length is 5 km and width $1\frac{1}{2}$ km. What is the area of the parking?.......................................

[D] If the volume = 240 $cm^3$
Find the height of cuboid

Area = 30
?

*End of the questions*

# PRIM 5 – MODEL NO (20)

[Q1] *Choose the correct answer:*

(1) The smallest like denominator for two fractions $\frac{2}{5}$ , $\frac{3}{7}$ is ..........

a) 10 b) 12 c) 14 d) 35

(2) $3\frac{1}{2} - 1\frac{5}{6} =$ ............

a) $1\frac{3}{2}$ b) $2\frac{1}{3}$ c) $1\frac{2}{3}$ d) $2\frac{2}{3}$

(3) $6 \times 3\frac{1}{2} = 3 \times$ ................

a) 3 b) 6 c) 7 d) $\frac{1}{2}$

(4) $2 \div \frac{1}{7}$ .............. $\frac{1}{7}$

a) > b) = c) < d) Otherwise

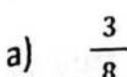
(5) The area of rectangle whose dimensions 2 cm , $2\frac{1}{4}$ cm = ..........$cm^2$

a) $4\frac{1}{2}$ b) $4\frac{1}{4}$ c) $4\frac{1}{8}$ d) $5\frac{1}{4}$

(6) The ordered pair represents the origin point is ............

a) (0,1) b) (1,0) c) (0, 0) d) (1,)

(7) The fraction which represents the shaded part is ...........



a) $\frac{3}{8}$ b) $\frac{3}{7}$ c) $\frac{4}{7}$ d) $\frac{7}{3}$

[Q2] *Complete the following:*

(1) The estimation of $\frac{10}{11} + \frac{9}{20}$ is $1\frac{1}{2}$ is called ..........................estimation

(2) In the equation: $D + 4\frac{1}{9} = 15\frac{14}{18}$, then value of D = ................

(3) $\frac{4}{7} \times \frac{3}{4} =$ ....................... ( in the simplest form )

(4) There are 3 kg of chickpeas. The worker divides the chickpeas into $\frac{3}{4}$ kg capacity packages Then the number of packages = .......................

(5) ................ is vertical axes in the coordinate plane

(6) A cuboid whose volume is 24 $cm^3$, if it is decomposed into slides and the number of cubes in each slide is cubes, then the number of slides =...

(7) The triangle which has two equal sides is called .....................

(8) The circular degrees that match the fraction of the circle that is shaded= ...........



*[Q3] Choose the correct answer:*

(1) The fraction $\frac{9}{11}$ nearest to benchmark fraction ............

a) 0 b) $\frac{1}{2}$ c) 1 d) $1\frac{1}{2}$

(2) If $3\frac{4}{A}$ is more than $3\frac{1}{2}$ ,then the estimation value of A is .........

a) 7 b) 5 c) 3 d) 10

(3) $\frac{1}{6} \div 3 =$ ...............

a) 2 b) $\frac{1}{18}$ c) 18 d) $\frac{1}{2}$

(4) Each of the eight people had a quarter of a pie. To find a total The pies that were distributed we use a process: ..............................

a) Multiplication b) Subtraction c) Addition d) Division

(5) The triangle whose measure of its greatest angle = 120 is called .........

a) Right b) Acute c) obtuse d) Otherwise

(6) The distance between point A and point D is ..........

a) 3 b) 5 c) $3\frac{1}{2}$ d) $4\frac{1}{2}$

(7) The quadrilateral which has no axes of symmetry is .........

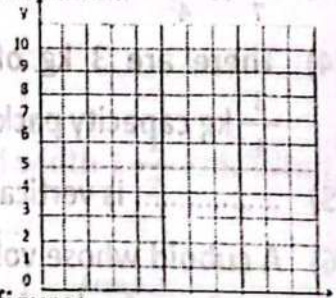
a) Rhombus b) Square c) Rectangle d) Parallelogram

*[Q4] Answer the following questions:*

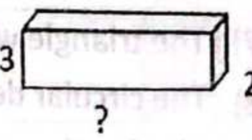
[A] Hossam spends $1\frac{1}{10}$ hour studying science, and 20 minutes more studying a subject Mathematics for the subject of science. How long does Hossam take to study the two subjects together? ..............................

[B] The turtle can crawl about $\frac{1}{3}$ kilometer per hour. How many hours do you need To travel a distance of 5 kilometers? ..............................

[C] Locate the following points on the coordinate plane and connect the points in order A ( 3, 2 ), B ( 8 , 2 ), C ( 8 , 6 ), D ( 3 , 6 ) What is the perimeter of the resulting geometric figure?



[D] Find the unknown dimension in the corresponding figure: If you know that volume = 36 $m^3$




*End of the questions*

Name: - ..............................................................

Class: - ......................

# Revision sheet

## Primary (5)

## Model (1)

**1- Choose:-**

1) $1-\frac{3}{4}=$ ........

( $\frac{1}{4}$ , $\frac{2}{4}$ , $\frac{3}{4}$ , $\frac{4}{4}$ )

2) The simplest form of $\frac{36}{48}$ is ............

( $\frac{6}{8}$ , $\frac{3}{2}$ , $\frac{2}{3}$ , $\frac{3}{4}$ )

3) If $5\frac{20}{Y}$ is a little less 6 , then y may be .........

( 21 , 5 , 12 , 39 )

4) The y-coordinate of (0 , 7) is ..........

( 0 , 7 , 70 , 1 )

5) Area of rectangle = ...... x w

( L , W , H , V )

**2- Complete:-**

a) $\frac{3}{4}+\frac{1}{5}=$ .............

b) $\frac{10}{3}+\frac{3}{10}=$ .............

c) Volume of cuboid = ....... X height

d) In triangle ABC, AB=BC=7cm, AC= 4 cm, then the triangle is ................

e) $\frac{3}{4}\div\frac{9}{16}=$ .........

3- Mazen studied math for $2\frac{1}{2}$ hours and science for 90 minutes.

How many hours did Mazen study in all

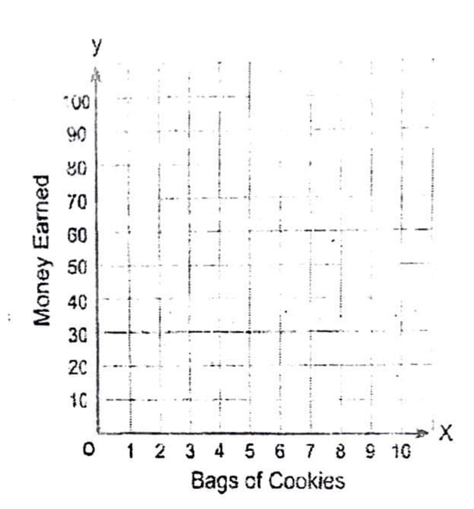
.......................................................................................................

.......................................................................................................

4-

★ Ola is selling bags of cookies in her neighborhood to make extra money to buy a new bike. She earns 5 L.E. for each bag of cookies she sells. Complete the table and then graph the points on the coordinate grid.

| Bages of Cookies | Money Earned L.E. |
|---|---|
| 2 | |
| 4 | |
| 7 | |
| 8 | |
| 10 | |




5-

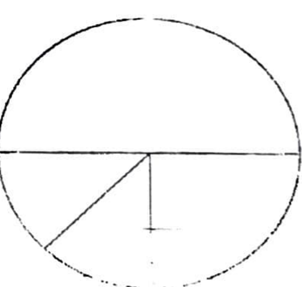
When some students were asked about the most popular TV programs, the following data were extracted.

$\frac{1}{2}$ of the students like to watch sports programs.

$\frac{1}{4}$ of the students like to watch cultural programs.

$\frac{1}{8}$ of the students like to watch Arabic and foreign movies.

$\frac{1}{8}$ of the students like to watch news.



a. Represent that given data using the opposite pie chart.

b. If the number of all students was 48 students,
what is the number of students who prefer watching each type of programs ?

# Model (2)

## 1-Choose:-

1) $\frac{3}{4} + \frac{1}{2} = \dots\dots\dots$

   ( $\frac{4}{6}$ , $\frac{3}{8}$ , $\frac{1}{4}$ , $1\frac{1}{4}$ )

2) In triangle XYZ $m(< x) = 90^\circ$, $m(<Y) = 50^\circ$, $m(< Z) = 40^\circ$ , then the triangle is ………… angled triangle

   (Acute, right, obtuse)

3) The smallest common denominator of $\frac{1}{3}$ , $\frac{2}{5}$ is …………..

   ( 2 , 15 , 30 , 35 )

4) $2\frac{1}{7} + 5\frac{1}{2} = \dots\dots\dots$

   ( $7\frac{2}{9}$ , $3\frac{9}{14}$ , $7\frac{9}{14}$ , $1\frac{1}{7}$ )

5) $3 - 2\frac{1}{2} = \dots\dots\dots$

   ( $\frac{1}{2}$ , $1\frac{1}{2}$ , 1 , $1\frac{1}{3}$ )

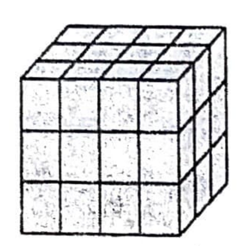
## 2-complete:-

1) Height of cuboid = …………… ÷ ……………
2) If $\frac{3}{4} = \frac{a}{16}$, then a = ……….
3) By using the benchmarks , $\frac{5}{6}$ is estimate as ……….
4) ………….. = base area X height
5) has ……

3- If the price of 9 pens is 77 L.E. find the price of each pen

..........................................................................................................................

4-

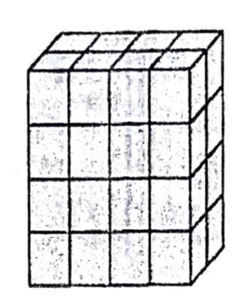


Length: ........ cm

Width: ........ cm

Height: ........ cm

Volume: ........ $cm^3$



Length: ........ cm

Width: ........ cm

Height: ........ cm

Volume: ........ $cm^3$

5-

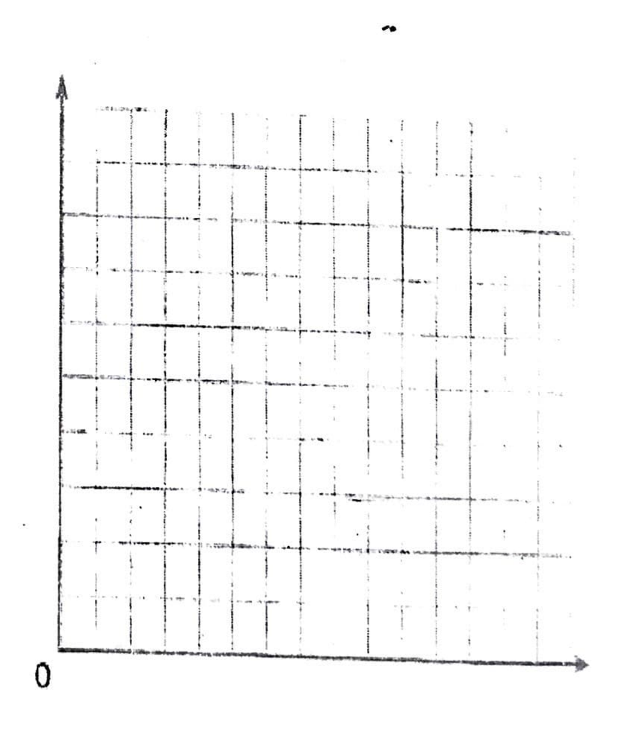
a. Plot the points on the coordinate grid.

A(3,2)   B(3,5)

C(6,5)   D(6,2)

b. Connect the points in order.

What polygon did you create ?



# Model (3)

## 1-Choose:-

1) 150 Minutes = ……… hours and ……… minutes

( 1 , 30 - 1 , 50 - 3 , 30 - 2 , 30 )

2) The fraction $2\frac{1}{4}$ by regrouping is …………

( $2\frac{5}{4}$ , $\frac{9}{2}$ , $1\frac{5}{4}$ , $\frac{5}{4}$ )

3) If $7\frac{a}{8}$ is a little greater then $7\frac{1}{2}$, then a may be ………….

( 4 , 5 , 7 , 8 )

4) The area of rectangle whose dimensions are $\frac{1}{3}$ m and $\frac{1}{4}$ m is ……………………………………………………………………………………… $m^2$

( $\frac{1}{12}m^2$ , $\frac{3}{4}$ $m^2$ , $\frac{1}{12}$ $cm^2$ , $\frac{1}{12}$m)

5) The origin point is …………

( (1, 0) - (o , 1) - (0 , 0) - (1 , 1) )

## 2-Complete:-

1) $5\frac{1}{6}$ + $2\frac{4}{5}$ is estimate as ………………………………

2) The volume of cuboid of dimensions 2m , 5m , 6m is ……….. $m^3$

3) $3\frac{1}{2}$ + $2\frac{1}{3}$ = ………………………………………………………………………………

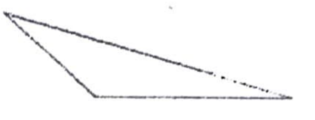
4) $\frac{1}{2} \div 6$ = ………………………………………………………………………………………

3-

The opposite triangle is ..........

A. acute B. right

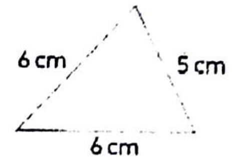
C. obtuse D. equilateral



The opposite triangle is ..........

A. equilateral B. isosceles

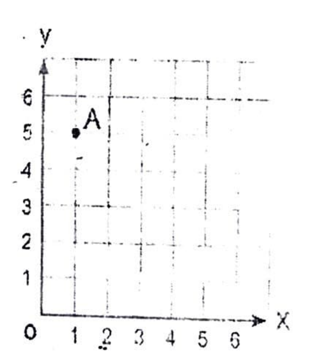
C. scalene D. obtuse




4-

On the coordinate plane, plot and label the given ordered pairs A through J. Then, connect the dots to create a picture. Connect point J to point A to close the shape.

Point A is done for you.




A. (1,5) C. (5,1) E. (4,2) G. (3,3) I. (2,4)

B. (1,1) D. (5,2) F. (4,3) H. (3,4) J. (2,5)

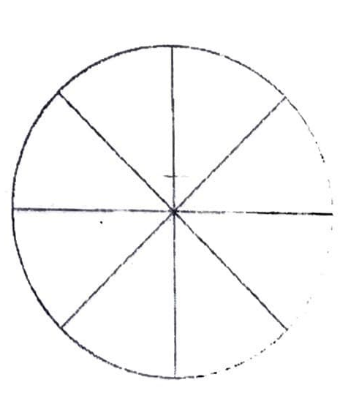
5-

In the opposite circle.

a. Shade $\frac{3}{4}$ of the circle green, $\frac{1}{8}$ of the circle blue, and $\frac{1}{8}$ of the circle red.

b. If this pie chart represents 40 students surveyed, how many students do the red and blue sections represent?

c. What decimal of the group is green?



Name: - ……………………………………………………………

Class: - ……………………

# Revision sheet

# Primary (5)

# Model (1)

## 1- Choose:-

1) $1-\frac{3}{4}$ = ……..

( $\frac{1}{4}$ , $\frac{2}{4}$ , $\frac{3}{4}$ , $\frac{4}{4}$ )

2) The simplest form of $\frac{36}{48}$ is …………

( $\frac{6}{8}$ , $\frac{3}{2}$ , $\frac{2}{3}$ , $\frac{3}{4}$ )

3) If $5\frac{20}{Y}$ is a little less 6 , then y may be ………

( 21 , 5 , 12 , 39 )

4) The y-coordinate of (0 , 7) is ……….

( 0 , 7 , 70 , 1 )

5) Area of rectangle = …… x w

( L , W , H , V )

## 2- Complete:-

a) $\frac{3}{4}+\frac{1}{5}$ = ……$\frac{19}{20}$ ……..

b) $\frac{10}{3}+\frac{3}{10}$ = ……$\frac{109}{30}$ ……..

c) Volume of cuboid = …**B.A**…. X height

d) In triangle ABC, AB=BC=7cm, AC= 4 cm, then the triangle is …**Isosceles triangle**…….

e) $\frac{3}{4}\div\frac{9}{16}$ = …$\frac{4}{3} = 1\frac{1}{3}$ ….

**3-** **Mazen studied math for $2\frac{1}{2}$ hours and science for 90 minutes.**

**How many hours did Mazen study in all**

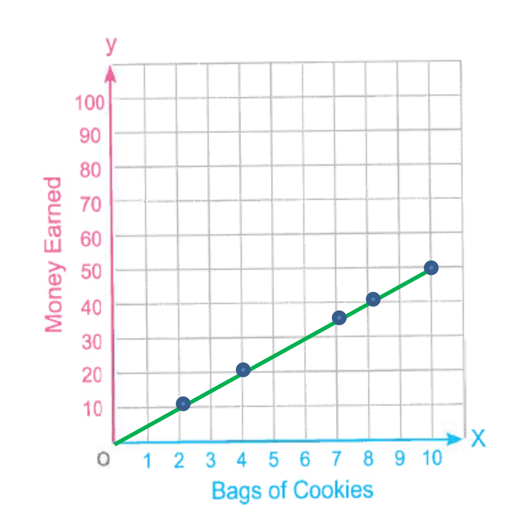
**………4 hours……………………………………………………………….**

**……………………………………………………………………………………….**

**4-**

Ola is selling bags of cookies in her neighborhood to make extra money to buy a new bike. She earns 5 L.E. for each bag of cookies she sells. Complete the table and then graph the points on the coordinate grid.

| Bages of Cookies | Money Earned L.E. |
|---|---|
| 2 | 10 |
| 4 | 20 |
| 7 | 35 |
| 8 | 40 |
| 10 | 50 |




**5-**

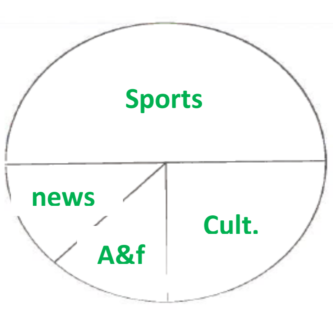
When some students were asked about the most popular TV programs, the following data were extracted.

24 $\frac{1}{2}$ of the students like to watch sports programs.

12 $\frac{1}{4}$ of the students like to watch cultural programs.

6 $\frac{1}{8}$ of the students like to watch Arabic and foreign movies.

6 $\frac{1}{8}$ of the students like to watch news.




a. Represent that given data using the opposite pie chart.

b. If the number of all students was 48 students, what is the number of students who prefer watching each type of programs ?

# Model (2)

## 1-Choose:-

1) $\frac{3}{4} + \frac{1}{2}$ = ………

   ( $\frac{4}{6}$ , $\frac{3}{8}$ , $\frac{1}{4}$ , $1\frac{1}{4}$ )

2) In triangle XYZ m(< x) = 90 ˚, m (<Y)= 50 ˚, m (< Z)= 40 ˚ , then the triangle is …………. angled triangle

   (Acute, right, obtuse)

3) The smallest common denominator of $\frac{1}{3}$ , $\frac{2}{5}$ is ………….

   ( 2 , 15 , 30 , 35 )

4) $2\frac{1}{7} + 5\frac{1}{2}$ = …….

   ( $7\frac{2}{9}$ , $3\frac{9}{14}$ , $7\frac{9}{14}$ , $1\frac{1}{7}$ )

5) 3- $2\frac{1}{2}$ = ……….

   ( $\frac{1}{2}$ , $1\frac{1}{2}$ , 1 , $1\frac{1}{3}$ )

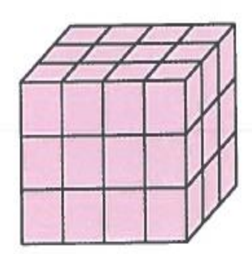
## 2-complete:-

1) Height of cuboid = ……**V**……… ÷ ……**B.A**……….
2) If $\frac{3}{4} = \frac{a}{16}$ , then a = ……**12**…..
3) By using the benchmarks , $\frac{5}{6}$ is estimate as ……**1**…..
4) …… **V** ……… = base area X height
5) has __ **8** __

**3- If the price of 9 pens is 77 L.E. find the price of each pen**

**……………………Canceled……………………………………………..**

**4-**

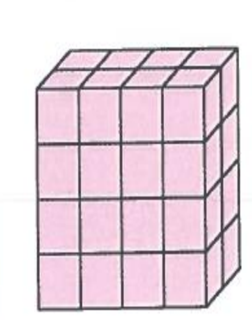


Length :– 4 –cm

Width :– 3 –cm

Height :– 3 –cm

Volume :– 36 $cm^3$



Length :– 4 –cm

Width :– 2 –cm

Height :– 4 –cm

Volume :– 32 $cm^3$

**5-**

a. Plot the points on the coordinate grid.

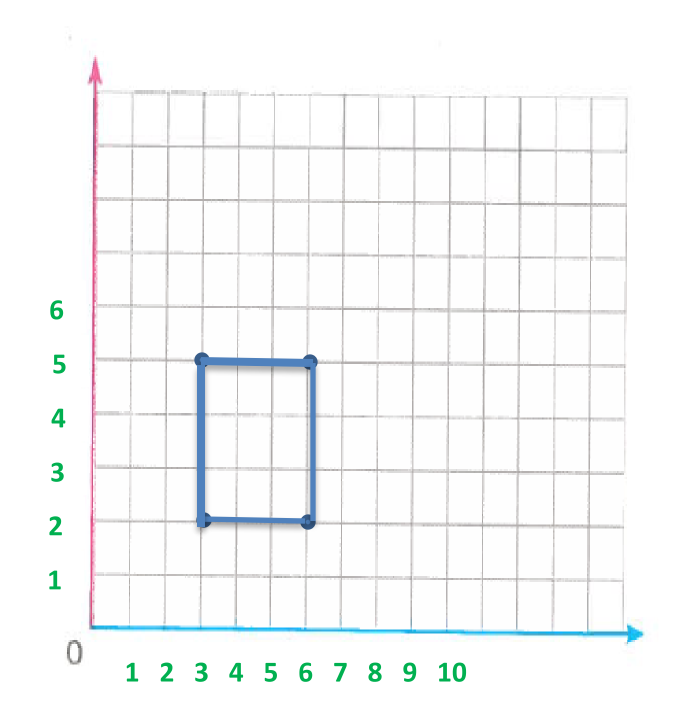
A (3 , 2) B (3 , 5)

C (6 , 5) D (6 , 2)

b. Connect the points in order.

What polygon did you create ?

**Square**



# Model (3)

## 1-Choose:-

1) 150 Minutes = ……… hours and ……… minutes

( 1 , 30 - 1 , 50 - 3 , 30 - 2 , 30 )

2) The fraction $2\frac{1}{4}$ by regrouping is …………

( $2\frac{5}{4}$ , $\frac{9}{2}$ , $1\frac{5}{4}$ , $\frac{5}{4}$ )

3) If $7\frac{a}{8}$ is a little greater then $7\frac{1}{2}$ , then a may be ………….

( 4 , 5 , 7 , 8 )

4) The area of rectangle whose dimensions are $\frac{1}{3}$ m and $\frac{1}{4}$ m is …………………………………………………………………………………… $m^2$

( $\frac{1}{12}m^2$ , $\frac{3}{4}\ m^2$ , $\frac{1}{12}cm^2$ , $\frac{1}{12}$m)

5) The origin point is …………

( ( 1, 0 ) - ( o , 1 ) - ( 0 , 0 ) - ( 1 , 1 ) )

## 2-Complete:-

1) $5\frac{1}{6}$ + $2\frac{4}{5}$ is estimate as …………**8**………….

2) The volume of cuboid of dimensions 2m , 5m , 6m is ……**60**….. $m^3$

3) $3\frac{1}{2}$ + $2\frac{1}{3}$ = ………$\mathbf{5\frac{5}{6}}$ ……………………………………….

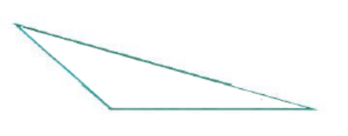
4) $\frac{1}{2}$ ÷ 6 = ……………….$\mathbf{\frac{1}{12}}$ …………………………………….

**3-**

The opposite triangle is ________

A. acute B. right

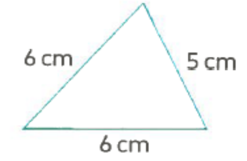
C. obtuse D. equilateral



The opposite triangle is ________

A. equilateral B. isosceles

C. scalene D. obtuse

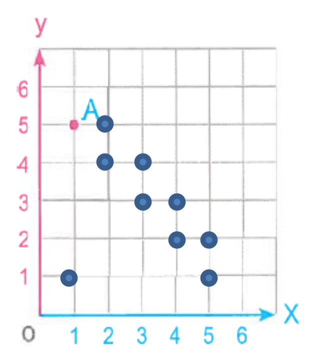



**4-**



**On the coordinate plane, plot and label the given ordered pairs A through J. Then, connect the dots to create a picture. Connect point J to point A to close the shape.**

**Point A is done for you.**




A. (1,5) C. (5,1) E. (4,2) G. (3,3) I. (2,4)

B. (1,1) D. (5,2) F. (4,3) H. (3,4) J. (2,5)

**5-**

**In the opposite circle.**

a. Shade $\frac{3}{4}$ of the circle green, $\frac{1}{8}$ of the circle blue, and $\frac{1}{8}$ of the circle red.

b. If this pie chart represents 40 students surveyed, how many students do the red and blue sections represent? **10**

c. What decimal of the group is green? **0.75**

